

<210> 22753
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952117H1

 <400> 22753

 ctgagcttcg ggggaagaga tccagcagca atgggtgtacg tcaaggctca gaaatcaaaa 60
 gcctacttca agagatatca agtcaagttc aagagaagaa gagagggaaa aaccgattac 120
 cgtgccagga ttcggttgat taatcaggac aagaacaaat ataacactcc gaaataccga 180
 tttgtgggtc gcttttagcaa caaggacatt gttgcacagg taatatctgc gagcattgcc 240
 ggcgatttag ttcttgctac agca 264

<210> 22754
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952118H1

 <400> 22754

 gctagaaata agggatgaa agcttcggag caggattact ttgaacagct ttcaagctca 60
 ttcaggtgct tagtggattt gatcccagct gaaaaatgta agtttgatgg ggtgaacgac 120
 aaagtggtag tggatgcagc taatgggggtt ggtggagtga aacttaaata tttagggaaa 180
 ttgttgaatg gtttgattat tgagggttcg aacagcagtg aagatggagg tgtactgaat 240
 gatggagtgt gtgctgatta 260

<210> 22755
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952120H1

 <400> 22755

 gtgcttcacc gccttcacca cctctaccgc caccacgtcc ggcgcggag gtgcggacat 60
 agcttctccg gctaccagat ccggcatctc cgcgcgcca ctgaagagat cttttcccga 120
 ggaactctcg ccgcggcg atcctccgtc ttcagaccag acgaccccg cggaggcgaa 180

cgcgctggtg aaccgctgct ccggctgcag gagtaatgtc ggactcaccg gatttcggtg 240
cagatgcggc gagctctt 258

<210> 22756
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700952121H1

<400> 22756

ctcgagcgaa tcggctcagg cgacacgtat cttcatcaaa aatcgcagaa gcagattccg 60
gtgcatctca tcgacttcca aaatgaacga cgcagatgtc tcgaagcaaa tccagcagat 120
gggtgcgtttc atccgccagg aagctgagga gaaagccaac gagatctctg tatctgccga 180
agaggaattc aatatcgaga agctgcagtt gggtgaagcc gaaaagaaga agatcaggca 240
agaatacgaa cgcaaag 257

<210> 22757
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952122H1

<400> 22757

ctccaccgga gatccccaag gctgtagagt ttgagaagat accctcacca gcttcatcaa 60
gtgggtggtga aaaggctggt aaccatatgt caatagctaa tcagaaaggt tctgataatt 120
atctggagtt tgattttctt tagagagagg gtagagacaa tatattgatt gcaaattggtt 180
tctgttaaga gggggaggaa ctgtttttca atgtttcagg aacagatatg atgaggaatt 240
gtatgtttgt ttt 253

<210> 22758
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700952124H1

<400> 22758

ccaaatccca actactactc acactcactg cagatctcaa tccatggcta ccattgtag 60
catcaaggcc cgccagatct ttgacagtgc tggcaatcca accgtcgagg tggatttgac 120
atgctccgat ggtacttttg ctagagctgc tgttccaagt ggtgcatcca ctgggattta 180
tgaggccctt gaattgagag atggaggatc tgactacctt ggaaagggtg tatcaaaggc 240
tgttgacaat gtga 254

<210> 22759
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700952126H1

<400> 22759
ctccgattcc gcattttctt gcttccactg cgacgcccgc gtccacgccc ccaacttcct 60
cgtagctcgc cacctccgcc gcctcctctg ctccaaatgc aaccgtttcg ccgcaattca 120
catctccggt gctatatccc gccacctctc ctccacctgc acctcttgct ccctggagat 180
tccttccgcc gactccgatt ctctcccttc ctcttctacc tgcgtctcca gttccgagtc 240
ttgctctacg a 251

<210> 22760
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952128H1

<400> 22760
tcttgagcta gatgatctaa agattataga aagcaaacca acattactag ctagtggagt 60
atttaattat acttcacatg ctcccttata atttttggaa attgatatat accagagccg 120
taagattttt cccatctttc tcgtgatata gttcttctgg ctccacaagcc aataaaggca 180
accacaacct tcaacttcaa cagcacttga tcacattcac tgtctagtga tccaccttca 240
cttcccgttt cca 253

<210> 22761
<211> 247

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700952129H1

 <400> 22761

 ctctacctga gaaggaggat ccctgtgcta gctcgatcaa agatcaaaga tggaggagcg 60
 gactcgcagc attctgattt tgatgacctt gctttccatc tccattgctg gcggcaatgc 120
 aggtggcttg cagcatcata agggtaggca tggttaagcat ggctcgatcata tgtctgctcg 180
 taatgtgact tacgacggta agtcactgtt cattaacgga aggcgcgaga tccttttttc 240
 cggtccc 247

<210> 22762
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952130H1

 <400> 22762

 ggctcgaggg ccattgagag atagccccga tgaaatgatg gcagccttat accttcaagt 60
 cagcataatt agccaggctc taatcttcgt cacaaggctc cgcagctggc cttttgttga 120
 aagacctggt cttctcctac taggtgcatt ttttattgct cagttgggtgg caacttttat 180
 agcagtgtat gctaactggg gctttgcaag aataaaggga atgggatggg gttgggctgg 240
 tgtaatc 247

<210> 22763
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952131H1

 <400> 22763

 tagaggcaga gggtttttctt ctctcaccgt agaatcgaat cgagttcact ttgatcgtgt 60
 gtgtctccga ttttcaaacc cgcaacaacc atggtgaggg gattgctcaa caagctcgtc 120
 tctcgctccc tctcgtcgc cggaatatgg cagcacaacc aactccgccg cctcaacatc 180
 cagcagtagc agggcgctga attgatgagc aaacacggag ttaatgttcc gagaggcgtg 240

250

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700952132H1

<400> 22764

60

120

180

240

251

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700952133H1

<400> 22765

60

120

180

206

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700952134H1

<400>	22766
-------	-------

60

120

tataatttcc ctctttttcc attggggggg ctctatttcc ttttttgtgc ttagtttttt 180
 tttattactt ttcaaaattt tctttgctgc tcagaatcag ggaaaagggtg gatttttgat 240
 ttttaaaaaa aagttttgtt t 261

<210> 22767
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952135H1

<400> 22767

taaaaagaga acagttgagg aagaagggaa gcttctcccg gagtttgaag atgctgatga 60
 aagagaactc tttgaagcgc tgatgcttga gctggatagt gatatggatg ttgatataatt 120
 gcgccactat gaggttatgt acttaattca tgagaagcat gaagaggagg ttgtagctgt 180
 caatgagaaa attcaagact ttttgaggga gaagaaaggt caggtttgga gattgaatga 240
 ttcgggtatg aga 253

<210> 22768
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952136H1

<400> 22768

gtttgttgat cgagataact agaaacagtg tgatgaaaat gaaggtcctt gttttcttcg 60
 ttgctacaat tttggtagca tggcaatgcc atgcgtacga tatgttcctt ctccgaatga 120
 aactggcta tggtgcccgt actccggagg tgaaatgcgc aagttggagg cttgctgtgg 180
 aagcacacaa catctttggc tttgagacca ttcctgaaga gtgcgttgaa gcaacaaagg 240
 aatacatcca tggcgaa 257

<210> 22769
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952138H1

<400> 22769
 ctcacacagc acgagggcca atcaatggaa agccgtgtcc acctcccttg ctctaacgac 60
 gtcgtcgtcc acgtcaacgg cgactctgct cccgacgctc gccggtttca cccaaccaac 120
 gatgacattt cccctcaac aacaacaaca acagcatcag gagcatggga aggaaagaag 180
 gggcagtttg gttcttgct acaagactct tggagtggg tttggaggac ttgtgacatc 240
 accccttcac gtgaac 256

<210> 22770
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952140H1

<400> 22770
 ttttacttcc cctatggctc gtcactcctt gctcttagcc ctctctctct tcgccgcgct 60
 ggccaccgcc gcgatggcgg tgccgcgtcc gacgccgacg acatcctgat ccgtcaggtg 120
 gtgccagatg ttggcgaagc cgaagaggag gacaacctgc tgaacgccga gcaccacttc 180
 gcgagcttca cggccaagtt cgccaagacc tacgccacca aggaggagca cgatcatcgc 240
 ttccggcgtct tca 253

<210> 22771
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952108H1

<400> 22771
 cccaactact cttcttgatg gctttttgat aaggctgtat gtggcaccaa ggaatggttt 60
 agacattttt atttgtttga tgttgaaggt ggaggccaaa gccacatctc agctgcttga 120
 ttttccccta atttctagcc gccagaagag gacttgatat tgctggtggt cctttgagaa 180
 aatactctac cgggtgctgga agtggtcttg acatggtatc tcctttgaca cgacaacctt 240
 tttctcccat ctctttaa 258

<210> 22772
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952073H1

<400> 22772

gaatgatttg gatagtagca atttttgtag tttctcttac ttacctgtgt ctatggagaa 60
 gaagcaagaa aaagggaaaag agattaccac ctgggtccaaa aggggttgcca attttgggaa 120
 accttcacaa gttgggggtca aatcctcacc gtgatctgca tgaactagcc cagaaatatg 180
 gacctgtcat gtacttgccg ttaggatttg tgccagccat aattgtttct tcacccaag 240
 cagtgaactg tt 252

<210> 22773
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952074H1

<400> 22773

tgatgatgtg ggagttgtgc ggagtcttgg tctacagcaa ttatctctga gttatcccaa 60
 ttccctaaag aaaaaaatac tgaagaattg agcaaactctg atgccactaa aaagttggaa 120
 ctaatggatg actttctgga ggtggagaaa ttgggtcggg tatcaaata tttcagtggg 180
 gtttcagtta cttcaaaca tatggcaaata gaaactgtga ccaatgatgt atcagaggta 240
 gtactgag 248

<210> 22774
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952075H1

<400> 22774

gttaattaaa ggttttatgc ctatactgaa ctacttttaa tgaacatctt gtagaatgta 60
 gattattaaa ctatatTTTT aattcaattg ctactgctgg cattgtactc atgtgtttaa 120
 atatttttgt agtgtattgg agccacaaca ttagacgagt ataggaagca cattgaaaaa 180

gatcctgctt tggagagacg attccagcca gttaaagtgc cagagccaac tgtagatgaa 240
ccatacaa 248

<210> 22775
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700952076H1

<400> 22775

ctctagcggtt gttgcattgc agaagcgtct ccattttctt tcgcatggc cgcgcgagcc 60
ctgttgacca gaaaaaccct agccaccgtt ctccgcaacg acgcgaaccc ataatcggag 120
ctggcatagc tgcagctact cattctcgtg ggttgacgt gtacacgctc cccgatctgg 180
attacgacta tggcgctctg gagccagcca tcagcggcga aatcatgcag ctgcaccaca 240
gaagca 246

<210> 22776
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700952077H1

<400> 22776

gtaaaataat aaatgatata acctaggaga gagcttgtat gaaagaatag aatgacatgc 60
ggcaattagg gttataacag agaactgtat gatctttttg aattttccag ctcaggaatt 120
gtattcttga gaaacaaaag tgaaaactca ccactccacg ggcaaacactg gtatacaagt 180
aattggggag taagtaatta tgggatgaca tctcttgaat ctcaatgaaa tgtaaaccct 240
gcata 245

<210> 22777
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700952078H1

<400> 22777

002220"ETTES60

gcatttggtg ctcatgtgctg cctccagatc caactaactg cgttcaaccg gacccagaaa 60
aagacccttt ttgcccacca ccccccttca aagactacga gtcacctcca cacgatgaca 120
agacattacc ccttcgaatt agaccagctg ctcatgtggt cactgatgat tacatagcca 180
agtacgagga agccgtgagg cgcattgcaag accttccacc tgatgatcct cgcagtttca 240
gcaaca 246

<210> 22778
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700952079H1

<400> 22778

ctaaaacatc tccagtgggt tcttcttctt ctattacaac aacgtcgctc aagaccatga 60
ccatggccat ggccacgacg ctgctcctgt tcacggtctt cgcgggtttca tcggccctag 120
acatgtcgat aatctcgtac gacaacgccc acgcccgcac gtcgcgacg agagcgagct 180
gatgtccatg tacgagcagt ggctagtaaa gcacggcaag gtgtacaacg cgctcggaga 240
gaggagaaga 250

<210> 22779
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952080H1

<400> 22779

ctcgtgcgaa aatgcgtgag attcttcaca tacagggagg gcaatgcgga aaccagatcg 60
gagcgaagtt ctgggaggtg gtgtgcgcgg acacgggacg gattccacgg ggaggtacca 120
gggggacaac gagttgcaac tcgagcgagt caacgtctat tacaatgaag cgagttgcgg 180
aaggttcgtg ccgagggcgg tgctcatgga tctagagcca gggacatgg acagcgtcag 240
atctgtccct acg 253

<210> 22780
<211> 253

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700952081H1

 <400> 22780

 cgtctttacc attatttatt gtaaataaat acacagctta gattattaga gactgaaata 60
 acaaaaggca atggatctca gagagggtca aactcaacca atcttggatc ctaaccaacc 120
 atctcatgtg tatcatctgg ctttggatat tggaggatct ctcgccaagt tagtatactt 180
 cacaaaagat gatgatcatt tggttgatgg cgaggaaggg atatctcata gaaaggcttt 240
 ggagaatccg aca 253

<210> 22781
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952082H1

 <400> 22781

 ttgtggcaag gttgatatgc aggagcagga ggtagtgat attactttga gagagagaag 60
 tgtttcgggt gtcctattgg ctggagggca gggcaagagg atgggagcta gcatgccaaa 120
 gcagtatctt cctctttttg gtcaacccat tgctttgtat agtttccaca ctttttttca 180
 cctggttcaa gtcaaagaaa ttattgtggt ttgtgatcct tcatacaagg acatttttga 240
 aatgca 246

<210> 22782
 <211> 195
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952083H1

 <400> 22782

 ttttccttct aaagggttgg ccccccccta atcatgtgaa gttcctttgg ccgaaaaagg 60
 gtttcactgc aattttcttc acatgtaatc ctgtaggccc agtagaacta aataatattt 120
 taagcttggc aggtctagta tgtgttatat acataataat aataatatat aataaaaaact 180
 tgcattgttac ccatt 195

<210> 22783
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952085H1

 <400> 22783

 atttcccttc ctctctttac tttctccaca cccaatttc tacacacaca ctcccccccc 60
 ttectactta ctccaaagcc aacaatcctt aataggcttt gagcaaccac cgagttccct 120
 tctcgggctc aaccacctaa gcccgctctca gattttctcag atccaggccc agatcgaggg 180
 ccaacagagc caaaaccaga acccacactc tctcaacttt ctcggcccca agccccgtccc 240
 aataagcacg t 251

<210> 22784
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952086H1

 <400> 22784

 cagcatttag ccgagagacc aatgaaagaa tatgcttctt gaatgtcagt cctgatgaag 60
 ttataaggag tttgttttat aataaaaata acgactcact tatcacagtc tctgtctatg 120
 catcagacaa ttacagttct ttaaaatgcc gaagtacaag gattgaatat ataaggaggg 180
 ttaaaccgga tgctggcttt gctctttttg aatccgagtc attaaagtgg ccagggttttg 240
 tgagttcgat 250

<210> 22785
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952087H1

 <400> 22785

 gttcctccac cacgaacaca cagccctttt ccttcttca tcacctcgcg ctaacctgcg 60
 cccctgctt aaattgcgca ctcttcttt atcccattct ttctcagat tcggaaaaaa 120

aaagctttcc ggtgctgggg agcctagggg tagggtttct gagagatgtg ggatgttcca 180
 tgcattgatg agccttatcg cgcgctgttg gaagccgttc gggcacgggtg acgacgccgt 240
 aatgccgc 248

<210> 22786
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952089H1

<400> 22786

atTTTTctct cTTTTcaac tttcaattca agcagctttg gaaaaaccaa ccagccaacg 60
 ggTTTTTTTT tttcacctc ctgaaatttg tgTTggTTTT gtaatatagg cTTggagtg 120
 aaaattcaat atTTTgcatg gaagccagag aaggtattag ttctgggggt acagtgatag 180
 gggcagaagc tccatcagct taccatgttg ctccgaggag tgaagctcca aaccagggtc 240
 tgTccctg 248

<210> 22787
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952090H1

<400> 22787

tgcatgaata atctgatctt ggtgggtgga cacgtattgt tgTTgagaag cTTTTtggtA 60
 aggatctgga atctgcagag caactcagta cccagattgg acagttgttt gaagaacccc 120
 agatttatcg aattgatcac tacttaggaa aggaacttgt gcagaatatg ttagtacttc 180
 gTTTTgcaaa ccgattattc atgcctctat ggaaccgtga caacattgct aatgtgcgat 240
 cgTTTT 246

<210> 22788
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700952091H1

[illegible]

```
<210>      22789
<211>      246
<212>      DNA
<213>      Glycine max

<223>      .Clone ID: 700952092H1

<400>      22789
```

```
<210>      22790
<211>      247
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 700952093H1

<400>      22790
```

9514

<210> 22791
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952094H1

 <400> 22791

 cagaaagagg aacgaagcaa tggcgccgaa gaagccccga accacgtcga ggaaccctga 60
 tttggtcagg ggaattggca aatattcgag gtgcgagatg taccacaaga ggggcatctg 120
 ggccatcaag gccaaaaacg gcggtgtttt gcccctccac gatcccaagc ccaaaccgga 180
 ggccccggcc cagaagccgc ccaagttcta cccggccgat gacgtgaaga agcccctcgc 240
 aacaagc 247

<210> 22792
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952095H1

 <400> 22792

 cctacctctc cttcaagggt cgtagatttc ttctgttttt ttttcttctt ctttattggt 60
 tgttctacat cagcatgatg ttgatttgat tgtgttttct atcgtttcat cgattataaa 120
 ttttcataat cagaagattc agcttttatt aatgcaagaa cgtccttaat tgatgatttt 180
 ataaccgtaa attaggtcta attagagttt ttttcataaa gattttcaga tccgtttaca 240
 acagcctta 249

<210> 22793
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952096H1

 <400> 22793

 ggaggaggga acttgagat tggaatggaa tacagaactg tttctggagt tgctgggcca 60
 ttggtcattc ttgataaagt taagggacc aagtttcaag agattgttaa cattcgctta 120
 ggagatggta ctactcggcg tggacaagtg ctagaagttg atggtgaaaa ggctgttggt 180

<210> 22802
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952048H1

 <400> 22802

 gtctgaaccc attcctgaag ctaacgatga acctgttaaa gtggtagttg ggaacagtct 60
 tgaggacatt gttttcaaat ctgggaagaa tgtttctgctg gagttttatg ctccctggtg 120
 tggtcattgc aaacagttgg ctccaatatt ggacgaattg ctatctcata tcaaagtgat 180
 gctgatgttg ttattgcaaa actggatgca actgccaacg atatcccaag tgaaaccttt 240
 gatgtccagg tt 252

<210> 22803
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952049H1

 <400> 22803

 gtgaaaactg accaagtttt gagcaagaag agaaaaaagc ttccctagac tctgggattc 60
 gcaatacaga attagaaccc gatgatattt taaatgctat tggtgattat aagtctaaaa 120
 ggggatctag ataagcttct aaccaggtca aagccacaga tgcttcatct actcgactca 180
 attatcaact ccttgtgcca ggttccaccg ttcgtgttct atctggaaca ttttcagggt 240
 ttacaggacc ctcaag 256

<210> 22804
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952050H1

 <400> 22804

 gttcagatcc cagatagaca cctctctctc tctctctctc tgcattatta tggactctcc 60
 gtttcttctt ccgcttcttc tcattcttct cttctctctc cccactccct cctctctctc 120
 cattgataat ttccaccaag cctttcccat cgttgaacct gatcctggtc acacaaaact 180

tcgtctttca agagaagggtt tggaggctat tgagaaaata accaacccca ttgcagcagt 240
ggcaggattg gg 252

<210> 22805
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700952051H1

<400> 22805

ctcgagccgc tcgagcgcgc tgcgagagac tcagattgga cgtttcctga ggaacattgt 60
ttccaccgtg tcgcagctat gggcggcttc ggagtgcggg gtaagattct ggaacttcaa 120
ggatctgtac gcgtcgtggt gcggcgaaga agaagaagaa ggagtggttg cgaggaacgg 180
cgacgaggag agtgcgccgt ttcgagagtc ggtgtggacc tcaccaacgt tgtgtttggt 240
tgggatgag 249

<210> 22806
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700952052H1

<400> 22806

gtcatggcat ctcaactgct gaggcaaaga aggacaagag ggaaactggg ttggccattc 60
ctaaggattt ggattctgca ttggctattc ctggagtggg aagaagcaga gatcaacatc 120
cacatgtgta tagggtttct cctgaacaga ggaaggctct tggctctggt tcaaccaaag 180
ctttgaagga ccatatgaag tcctctgcaa ctgatggtaa aatgcaacag tggttccgtg 240
aagtcttgca gg 252

<210> 22807
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952053H1

<400> 22807

gtagacttc gtcacctcac tcaccactca ccactcacca ctcgccaata cacttcctca 60
gaggtcaatt atcgcgcgac tcggtaaaat atttcttgca cactctcaat ttgctgccat 120
tattttcgca tatgaattgc tactttcacc ctttgtttcg tgtagtttag ggttggtgat 180
tttgagagtg gctttgattt aattctagca ctagttgcag agagctgcat ggtgaataca 240
aaacgatggt tca 253

<210> 22808
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700952054H1

<400> 22808

ctaggagaca gatcactctg gttggttgcc acattttggg gtaccaagac accttgtacg 60
tccagaccaa caggcaattc taccgcaact gcgtgatctc tggcacagtg gacttcatct 120
ttggcacctc cccacccgtg atccagcact cagtgatcat cgtgaggaag cccttggaca 180
accagttcaa cacgatcacc gccgacggaa catccatgaa gaacatggat acaggaatcg 240
tgaccagggt tg 252

<210> 22809
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700952056H1

<400> 22809

cttcggcacc tcctcacggt gatccagcac tccgttatca tcgtgaggaa gcccttggac 60
aaccagttca acacagtcac cgccgacgga acatcccaga agaacatggc tacaggaatc 120
gtgatccagg gttgcaacat cgtcccagaa gccgaacttt tccctacaag gttccaagtg 180
aagtcatacc ttggaaggcc atggaagcaa ttctcaagga cggttgtgat ggaatccacc 240
gtggtgactt 250

<210> 22810
<211> 250

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700952057H1

 <400> 22810

 ctaggccttg gcctgagcaa ctcccttcagg ctttcttcgt ggcagcaaag tgcataatggt 60
 tgctacattt attggcattt tctttcaacc ctccattggg aattttaagg gtggaagaga 120
 atagaagctt tgatcctcac tacatggaag atttggttac tgatagacag aggtcacaag 180
 gtccaagccg ggtaagatc gtggtggtgc caggggttcta tgttcaggat atgatcttga 240
 ggtttagagtt 250

<210> 22811
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952059H1

 <400> 22811

 ggagctgccc aaggaatgat ggacaaacta ggagatgatg gtcttggtgt ggatggcaga 60
 aaacttttct ttgaatatag tagtaagcca acaggaggctc ctgggtccaga tggagctatg 120
 aaatcaggctc ataattataa gagcatgatg gttccatccg attggatgtg cactatatgt 180
 ggctacataa attttgcacg ccggacttcc tgctatcagt gtaatgagcc acgaactgat 240
 atgccc 246

<210> 22812
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952060H1

 <400> 22812

 gtcgaagaga ggagcgggtgg ttcggcgggg aacaagttcc ggatgtcgct gggctctgccg 60
 gtggcgggcga cggatgaactg cgccgacaat acggggggcga agaacctcta catcatatcg 120
 gtgaaagggga tcaaagggcg tttgaaccgt ctcccctcgg cttgcgttgg cgacatggtg 180
 atggccaccg tgaagaaggg gaaacccgat ctgaggaaga aggttttgcc agctgtcatg 240

ttcgcca

247

<210> 22813
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700952061H1

<400> 22813

tggaacgcga caggcgcagg gagcgaaacg agcgtttgcg cctcggcctc gacaccgccg 60
acatcgacac ggagtcggag caggactaca tgggcgtggg gcccctcatt gcgaactcga 120
gaaggagatg ctcaaggaat ccccgagct gaaccgctac gaggagccca ccgactccga 180
cgacgactcc gacgaggaaa ccaaggacga ggcgacaag aagatgagtg acttcgagaa 240
aaaagagac 249

<210> 22814
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 700952062H1

<400> 22814

cagaaccttc tcaaaaatga gacggctcatt tctagtgagt gcccttctta tagcaaact 60
tctcatggca acacgcctta cctcactct tctttctct cgctccatt ctccactct 120
atctcggtcc ctttcacaac tcaacaatt cccaaaatcc cacccttgct cctctggct 180
ctcctc 186

<210> 22815
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700952063H1

<400> 22815

gagaatacaa ctatagagaa gtgaggcttc cttctctgat agcagtgggtg ggcgagccag 60
agctggggag ggaaacaggg gaaaggagaa gaggaaggga cataataata gccatagatc 120

003300"EFFE560

atggccccaa taccaaacat gctttcgatt gggctctggt tcacctttgc aggctcgctg 180
ataccatcca tctcgttcac gccgtttccg acttgcataa ccaagttgtc tacgacataa 240
cccaggtctt atgga 255

<210> 22816
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952064H1

<400> 22816

ctaataccaat tcagacacga aaaaaccaac tacatcagct catggcaacc cccaacccca 60
ccagattctc ccttgccatg gagagaaccg ggcaatgggt tttctcccca gaaatcccca 120
ccgatgttat tgttgcagtt ggacaaacca atttttctct ccacaagttt attctggcgg 180
cgaagagtaa ctacgtcaga aaagtgataa tggaatcaga ggagagtgc ctaacaagaa 240
tagagtttcc gac 253

<210> 22817
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700952065H1

<400> 22817

agcataactta gaaacagcaa ctatgtctct catgcagctt actagctccc ctgttggtc 60
actggtccgt ttcattgtaa tatttgcttt atggtacaga accatggctt tggccaagtt 120
gccaccaaac gttcatcag ttccagcagt tttagcgttt ggagattcca tcgtggacct 180
aggcaacaac aacaacataa aaacattgat caagtgcac ttcccacctt atggaaagga 240
ttttcaggag gaaa 254

<210> 22818
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700952066H1

agcactgaga ctgaactcac caaaatccgt ctctcaggg caattgttga aaccctgat 180
 ccctcttcca aggaagagga tgattttatg attagaagat tctgcgtgc tcgtgattta 240
 gattagagaa gg 252

<210> 22824
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952013H1
 <400> 22824

accgaatcta agagagccga tgccaaactt gctgtgaata agaagggcgc cgccaccaag 60
 actaggaac ccgccgaaa ggggaaggca gcgaaagatc ctaacaagcc aaagaggcct 120
 ccaagtgctt tcttcgtttt catggaggaa ttcaggaagg tggtcaacaa ggaacatccc 180
 gacaacaaag cagtgtctgc tgtgggcaaa gctgctggag caaatggaa gacgatgtct 240
 gatgcaaaaa agca 254

<210> 22825
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952014H1
 <400> 22825

tgctgttcaa atacagtggc gcctcagctg ctctcactgt agacccttca ctccacttgt 60
 caagagcttc tagcattgtg atgttgattg catatgtagt ctacattgtc tttcaactgt 120
 ggacacacag gcagttatct gaagccgaag atgaggggtga ggatgggtgag gacgggtgaag 180
 aagaacaagc tgtgattgga ttatggagtg gcattgcttg gttggtaggg atgactgtgt 240
 tcattgctgt gttg 254

<210> 22826
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700952015H1

ctctaccggc tgctattgat caacacgcct actgocaaag gagagagcaa aattcagagt 240
gaagacagca acgtga 256

<210> 22832
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700952021H1

<400> 22832

ccttcgttca ctcttctttc ttgctggctag ggtttttagcg cacttcttct agatttaagg 60
aagatgggta aggaaaagggt tcacatcagt attgtgggta ttggccatgt tgactctggg 120
aagtcacta ccactggcca cctgatctac aagcttggag gcattgacaa gcgtgttatt 180
gagagatttg agaaggaagc tgctgagatg aacaagaggt ctttcaagta tgcctgggtg 240
cttgatagct taagg 255

<210> 22833
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700952022H1

<400> 22833

ccagaatcaa aataagaaaa cagagtaatt ttgcatcgtc gtcacacatg gagatctccg 60
gcaccgttct ccgtcagggtc agctacgtct ccggctatgg gaccacacag cgggtcccgcg 120
gcctggctcc tcgttttggg gtgaggatgg ggatgggttc tggtttctgt gacgaggggc 180
atctgcggta ttaccaggac accaaaaagg ttctcaccac aaagaagaag ttgaagctgc 240
tcaaggtttc tcca 254

<210> 22834
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700952027H1

<400> 22834

<213> Glycine max

<223> Clone ID: 700952030H1

<400> 22837

gttcaactga gggtagagagt gacacaaatc tagggagcac tactctaaaa gttctattag 60
attcttcaaa acatgaccat gcatcgcgag tcttgggctt ttgtcttcgg cgttatgggc 120
aacatcatct cctttggagt gttccttgct ccattgccaa ccttttacca aatctacaag 180
aagaaatcca ctgaagggtt ccagtcactt ccttatgttg ttgcactggt cagtgcaatg 240
ctttgattta cta 253

<210> 22838

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700952031H1

<400> 22838

aaaggacatt cacaactcac ttcacaaact gcgatcaagt gaagcagcca tttccactcc 60
cttccatata acattcactt ttgacaagc tagatgagtt aattaaggct ttgcctggga 120
acaataatgg aagggatgaa gcttaaaagg tggctcgtga gtgttttggt cctcattggt 180
gccacagtga gcaatgcagc aggtgcattt gtgggggtaac acattggcac tgatgttact 240
gatcttcata tgc 253

<210> 22839

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952032H1

<400> 22839

ctttctcctt ttcctcgtgt tcacaaaatc acgctgctta attattcctt caactaccat 60
catatcatat cttctcaaca gaaaaataaa aataaaaatg agatacatcc ttggagaaca 120
caacattctg ttcctcaaaa gcttcgcctt cagcatatta ttccttagtt gcatagccat 180
tcggcttaac ttgtgtcttt ccagcatccc ttcttcaactg aaatcaattc cccttgaagg 240

256

<400> 22840

<400> 22841

<400> 22842

gagaaatcct tgggtgacggg gaaacactgg gggagaattt attctctttg ttctgtttca 60

gcttgaatct tttctctatt tctatcttgg gttcctattg ctaacactga ctggtcttgg 120
aatcagagaa atacataaca taaaattaga ccaaagggct tgtgtggtct tgaacttgca 180
acaaatagtt gatattgatt ttataagaca ctggacttcc aaaggaaatt gctaagcaga 240
tagttacctt attat 255

<210> 22843
<211> 251
<212> DNA
<213> Glycine max
<223> Clone ID: 700952036H1
<400> 22843

gtttcaggca ttgctggctg ggggtgatga tgatgaccac tatttttagta actcttggtta 60
tgcttcttat atggcagata cacatcattg tagtgctgag ttttgctgta gtcttcctgg 120
gattggagtt gactttcttt tcatcagttc tgtggagtgt aacgcatgga agttggatta 180
tattggtctt tgctgtaata atgtttttta taatgtttgt atggaattat gggagcaagc 240
tcagtatgaa a 251

<210> 22844
<211> 255
<212> DNA
<213> Glycine max
<223> Clone ID: 700952038H1
<400> 22844

cttcttcttc ccacgtcctt ccttctcata cccttcgcca cctcgtctc cgcccgccct 60
cacctcgccg gagactttct ccgactgcc tccgaaaccg ataacgatga caacgtccag 120
ggcaccgctt gggccgtcct cctcgccggt tccaatggct actggaatta cagacatcag 180
gtccatctca tacacatgac acttcaattt ttatatcttt gatttcttaa ataagttctg 240
gggttcaatc ttgta 255

<210> 22845
<211> 252
<212> DNA
<213> Glycine max

[illegible]

```

ggggaacaga cacagtttgc gagtgaacac aagtacaac aatggctttc ttggttagaa 60
ttgggaattt gttacgacag acagcgagca ggcaggttag ttcaaaattg cgttcgcccc 120
cttcattttt tcaggctata cgctgtatgt catctgcccc aagcacaaaa ctgtttattg 180
gaggtgtttc atattctact gacgagcaaa gcttgaggga agctttttca aaatatggtg 240
aagtgttgat gc 252

```

<213> Glycine max

<400>	22846
-------	-------

```

ggcaaacact cctgttcttc tacatgacca caatgagttt ctgcacaaag atgaatactt    60
gaaaggggatt aaaatctacg agtcaataat taaggatatat gcatcgttgg atgataatgg   120
aagagatgga gcatccaaag atgagttatg agcaagtgggt gtggcaccta cccctaccta   180
attctcattt tctgcctttt cttatgtaac aatagagagg aaaaataaca cctcaactga   240
ctttttgtag ctt                                     253

```

<213> Glycine max

<400> 22847

ccagatccag	cacttttatct	caatctagtg	gcagagaaaag	tgagagttca	gacggtaatg	60
ttttgagtaa	tcatgaagca	gttacatatg	ccaatacatg	gacttttcta	gtgcctgacc	120
tcgtatgcga	cgtggccaat	aaattattgt	ggaagttcaa	tttagactta	gaggcaattt	180
ctgctagtag	ctctgaggtc	ccatcaatat	tagagttcct	gcagcggcgg	aagttggaag	240
ctaacaggct	aaaca					255

<210> 22848
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700952012H1

 <400> 22848

 catttttagaa gaataccctt cttttgctgc atcagaggag ttgtaaatta agagcatggc 60
 tgcacaagct cttgtatcat catcttctct taccttctca gcggaggctg caagacaaag 120
 tcttggacca agatcactcc aatctccatt tggcttctcc agaaaagcct cttttcttgt 180
 taaggcagct gctaccccc ctgtcaagca aggatcagac agacctttgt ggtttgcac 240
 aaagcaagtc tttc 254

<210> 22849
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951965H1

 <400> 22849

 atgcacccca tatcagaaat acaaaggaga gattccgggc aatgcctata tgttgtccca 60
 tactttcttc ttaccacat gccttggcat tgcgcgatgat ttacaattg ggtgttaaac 120
 cttcttgggt taacacttgc agtacaacca tagaaaagag acctcactta attccaggaa 180
 ctcttcatc taaaggggat ctctgcacct acatgatcga cataccacct cttggcgact 240
 cagtgggtgcc tgagatgctc tta 263

<210> 22850
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951966H1

 <400> 22850

 agcagtggga ggaggctcgg gactctgacc gcgtgcctgt tgaagaatga gccggcgact 60
 cataggcagt ggcttggtta agggaaacca ccggagccgt agcgaaagcg agtcttcaca 120

gggcaattgt cactgcttat ggacccgaac ctgggtgatc tatccatgac caggatgaag 180
 cttgggtgaa actaagtga ggtccgaacc gactgatggt gaagaatcag cggatgagtt 240
 gtggtaggg gtgaaatgcc a 261

<210> 22851
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951969H1
 <400> 22851

ttcccctctc atcattttta tcacgcgcac atcagcacia cacaacaatt cactaagcta 60
 aaatcacttc atcatggctt cctcgtgtgc ttctctgcc attgcagctg ttgccatctc 120
 cacaccaagt tcccagaaga atggatcact cttgggaagc aaaaagctt cttttcttag 180
 tgggaggaaa ctgaaggatga acaactttac agcaccagtt ggagcacgat ccagcactac 240
 agtttgcgca gttgctga 258

<210> 22852
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951973H1
 <400> 22852

cgtgattcct tggcggagtgc cgagcgtgca ccgagccgcg gcgagacaaa acgctgcgtt 60
 gggtcgctcg aggacatgat cgactttgcc acctctgttt tgggccgaaa cgtcgccgtt 120
 cggactaccc agaacgtgaa cgggtccaag aagagtgtgg tgggtggggcc cgtagggga 180
 atcaacggtg gtaaagtcac ccaatccgtg tcgtgccacc agagcctgtt cccttatctg 240
 ctttactact gccacg 256

<210> 22853
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951974H1

<400> 22853
 ttgaggctctt gtatgtggct gcagatatcc aaaccttaaa ttcggctctc gaatctttct 60
 gatcattggt tgttttttat tctttcaa atattccaaa atctcttgga aattgcgaga 120
 ttcactgctt atcctagcag cagattttgg gttctgaccc aattattcat tttccccaac 180
 tgggtcttgt ggattttttg ttggggtttt aaatttcgtg ttgctggggt ttgaaagtta 240
 tttcctttct tccccgtc 258

<210> 22854
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951975H1

<400> 22854
 atgataccat ggatgccaat ggggaagcta gattgattaa tggttatggc tcaaaacaag 60
 tttcacaatt ccttaatgca aatatgaaga agcccaagggt ggtttctggt gatgatgatt 120
 taccaaagag agatgatatt ggtgaaaggc gaaggaaaca cgagcttcgg gtgttggtcg 180
 gtgctggaat taggactgag gatgatgatg gtgatgatca gatgactgat cttggaccta 240
 atgaggttac cgatgaa 257

<210> 22855
 <211> 87
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951977H1

<400> 22855
 ctgaaacccc aacacccaaa ggaatatgtg attgggtcat ggctgaaagt gatataacag 60
 ccatgaagga gacgctccgt gcgcaac 87

<210> 22856
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951978H1

<211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951981H1

<400> 22859

aatggcggct ctcagaaaag ccggtgttctt tgtaatcgct caatgcttca ccttttccgc 60
 atatgctgca aggtttgaaa tcacaaaccg atgcacatac actgtctggg ctgcgtctgt 120
 gcctgttggc ggtggcgtgc aattaaaccc gggccagtca tgggtccgtgg acgtgcctgc 180
 aggaacgaaa gggggcccg tttggaccgc aaccggctgc aacttcgacg gttcggggcg 240
 cgggtggatgc cagaccggtg 260

<210> 22860
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951982H1

<400> 22860

atgcagctgc caaaaaggca tcagaggatg cttccaaaca ggagaaagat ggtgagcagc 60
 aagctagccc acaggatata acaatgactg aggggtgccag tgcagcagct tctgaagccg 120
 agactaagag aactgatttg acggacgatg agaatgctct tctacagcag gcccttgcaa 180
 tgtcaatgga tgatcccaca attaaccatg aagtgaagaga tacagatatg tctgaagcag 240
 ctgctgaaga tcccagag 257

<210> 22861
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951983H1

<400> 22861

gtgccagttg gaggtttggc gtggaagcaa acaacgtagt caagtggcaa actgttcctg 60
 cagcttgccg agagtacata gctgactacg ttctaggaga ccaatataga tcagattcca 120
 aaacagttaa ccaacaagct tattttctatg ctaaattccct caaactcacc aacaaagatg 180

[illegible]

<400> 22870

<210>	22871
<211>	254
<212>	DNA
<213>	Glycine max

<400> 22871

<210>	22872
<211>	258
<212>	DNA
<213>	Glycine max

<400> 22872

9544

ttggtcgtat ccaccggctt ttgaagtcaa ggacaaccgc taatggtaga gttggggcca 240
cagctgctgc tactctgc 258

<210> 22873
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700951964H1

<400> 22873

aggatgatcta gcaaacagca tgacagagaa ttcccaggga acaacccttt caagaggagg 60
gatgattgct gggtttagagc caatcaattt tataacttta gcaacaccac atcttggcgt 120
gagaggaaag aagcagcttc catttctgtt ggggtgtcca atcctagaaa agcttgctgc 180
acctatagct cccttttttg ttggtcagac aggtagtcag ttattcctta ctgatggtaa 240
acctgacaaa cctcctctcc tat 263

<210> 22874
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700952011H1

<400> 22874

ataacatctc aatggggtttt cttctattac aacatcgccc gcaaccatga ccatggctgc 60
gatcgtgctc ctgttcacgg tctttgccgt ttcctccgcc ctagacatgt cgataatctc 120
gtacgacagc gcccacgcgg acaaggccgc cacgatgcgc accgaggagg agctgatgtc 180
catgtacgag cagtggctcg tgaagcacgg gaaggtgtac aacgcgctcg gcgagaagga 240
gaaggcttcc a 251

<210> 22875
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700951931H1

<400> 22875

<213> Glycine max
 <223> Clone ID: 700951935H1
 <400> 22878

gtccactttt gaagtacaga gaagaagaat tgaagaatgt aagaggggat ggaactggag 60
 agcgcaagga atgggatagg atctatgatt atgatgtcta caatgacttg ggcaaccg 120
 atagcggtga taaatatgca cgccccgttc ttggtgggtc agccttacct taccctcgca 180
 gaggaagaac cggaagagga aaaactagaa aagatcccaa cagtgagaag ccgagcgatt 240
 ttgtttacct tccaagagat ga 262

<210> 22879
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951937H1
 <400> 22879

agttgttgca gttaaaaagc tcgtagttgg accttgggtt gggtcgatcg gtccgcctcc 60
 ggtgtgcacc ggtcggctcg tcccttctgc cggcgatgcg ctctgtcct taactggccg 120
 ggtcgtgcct ccggtgctgt tactttgaag aaattagagt gctcaaagca agcctacgt 180
 ctgtatacat tagcatggga taacaccaca ggattctgat cctattgtgt tggccttcgg 240
 gatcggagta atgattaaca 260

<210> 22880
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951938H1
 <400> 22880

tgactgctac tcgctcatcc cgtggagata atgggagaga caaaggacga agcatacgag 60
 gaagagcttc tcgattacga ggaggaagac gaaaaggccc ccgactccgc cgagagctaaa 120
 gtcaacggcg aactaccaag aagggctatg ttggaattca cagttcggga ttcagggact 180
 tccttctgaa gccagagctt ctccgggcta ttgtggactc gggatttgag catccatctg 240

002222-03300

aagtgaaca tgagtgcata c

261

<210> 22881
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700951939H1

<400> 22881

gtgaaagacg tcagaatgta cagtcaagac aagataatag ctaatcatat cataaaggctc 60
cataaatcag ctggtggaag gatgggagag agcagaactt tgaaagaaga gaattggctg 120
aagaggtatt tacaatattg tcgaactcaa tgccaccctc gtctatctga atcagcaaca 180
acattattgc agaatcatta tgtgaaaatc agacaggata tgagacaaca agcgaatgaa 240
actggagaag ctgcagcaat ac 262

<210> 22882
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700951940H1

<400> 22882

atacaatgga aacatgaaac cgtggctgga gataagtatt cgccaagttc cgagggttatt 60
ggacaaagta tgttgactac aatcttgtgt atttacgaga atgcaacatc aatccataga 120
aggatctggt ggcattgtga gggcatgaaa tttatttaaa gcttttatga ttatttttta 180
tacattttcc tccctgtatg gaaaaagatc ccaagccaaa atcacgagta tgaaatgtgn 240
tcgttcgttt cctttggctg t 261

<210> 22883
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700951942H1

<400> 22883

cttttgcttt atgttattac agcaaactga actgaagcaa attccatcca tgtctcggtc 60

<400> 22889
gagaacaaag cacttagtgc tattcaataa ttacgaaaaa ccaacagcga gtgttggttt 60
tggttggtcc aggctggacc agggaaatgaa tagagatgag aggctttcgg ttgaagagaa 120
ctgagttaag cggcgaagcc aaacgcagaa tcggcggcag aaattgccac cggaagcacg 180
tcgaagacgg gtgaaccaa caaaaattc catccaccac ttctcttttc aatccccaac 240
tcaaattctgt gaagaaaatc t 261

<210> 22890
<211> 259
<212> DNA
<213> Glycine max
<223> Clone ID: 700951952H1

<400> 22890
tgcaaagtaa atgttatgaa tgtgtgtctt ctatattgat gacactgaaa aaagagctgg 60
atagtttata tgccccaaca gaaaatggcg aggtgccaac agcggttact gttgaaaaat 120
ctcttttcat tggacgatta ttgtttgcat tccaaaatca ttctaaacat atacccttga 180
tacttggttc tcccagattt tgggttaatg ggaatgcac tcgagttggg aaattaccag 240
ctctggtaaa acaatctcg 259

<210> 22891
<211> 86
<212> DNA
<213> Glycine max
<223> Clone ID: 700951954H1

<400> 22891
ccttatctca cccttctttg actgttctcc cacaccacac ccatgagact cctcctgctc 60
cttattctcc tctttcacgc ggcgga 86

<210> 22892
<211> 259
<212> DNA
<213> Glycine max
<223> Clone ID: 700951955H1

<400> 22892
 gtgagattcc catcaacagt tctgactcac ttgttcagag ttatgagatt ccagcaaca 60
 gttctgactc acttggtcag agttatgatg tgattctaaa acccaatggt tcaatggaca 120
 catgcaatgt gtttgaagga agttgggtga gggatgatag ctaccctttg tatgatgctt 180
 ctactgccc ttttgttgaa aggggtttca attgccttgc taatgggaga gcagatagag 240
 attacacaaa atggaggtg 259

<210> 22893
 <211> 183
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951956H1

<400> 22893
 gggttttttta ataaagttgc attgcatcaa ctacgtacct ggattcttcc cttcccagtt 60
 agacctggat tgtaattaat gacgtcgttg catcatgacg ttaccatag tgtagcttgg 120
 ttgttatgat tgtacgaata tgtgcagcag aatgcatatt acaattcaca atacgattga 180
 atc 183

<210> 22894
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951958H1

<400> 22894
 gtccaaggct tggtttattt acttatttat tggaattggt gcggtcctct ttgtcatttc 60
 ttgtttcggg tgatttgcag ctctgacacg gaatggatgc tgcctgagct tttattcagt 120
 tttagtgttg ttgttgatct tagtggagct gggatgtgca gcctttatat tttttgacaa 180
 aagctggaaa gaagaaattc ctaaggacaa aactggagat tttgatatga tatatgaatt 240
 tctgagagag aactgga 257

<210> 22895
 <211> 258

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700951959H1
 <400> 22895
 ccgacatccc ttctcttcca aatcctgtga tccattcca atccgttccg ttcagctcaa 60
 tctcaaaatc tcaatggccg ataatgagca accgaataac gaggaggcaa gtcctcttct 120
 ccaccagccc catccccaac ccaaattccga accaccaacg ccacctgaga ctcccagatt 180
 tctcctcggc tggaccgctg atgggctccc tctggccac gccagcgtcg tgggccagcc 240
 catgggccgc gcccttg 258

<210> 22896
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951960H1
 <400> 22896
 tggtaaaatg ttgttttata agttgtgtac aatgcatttt ctgtgcaatg attttgattt 60
 ttaaattgct ttattgattt attatgtata aatacataat cattcaatta tatagaatat 120
 atttttgcct ttgcattatt tttaattatg tataaatata ttattttctaa attatttgac 180
 ttgggttttta catgttacat ataaacctgt gtaggtgaaa tccataccat tcagtgggaa 240
 tggcaagcac aaatacagt 259

<210> 22897
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951961H1
 <400> 22897
 cttctacatt agttcttgtt attcattatt cattctcagc ttcttttctt ctggggggca 60
 aaaggggtca cttttcagat ccgagattga gtccttttac ccatcatcat catggagctc 120
 ctcgggtacc tgaatcaggg tcacccttct agaggaacaa cacttggtat tactctttca 180
 ttgggtgctt cgacacttgt gtccttctcc actttcacac atgccttctc ttcttctgcg 240

tttccggaac tgaatcctat

260

<210> 22898
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700951930H1

<400> 22898

ggaaagatga tattgcagtt cttcgtgctt tcacagagag gcgataacat cgtctaccgc 60
gactatcgtg gtgaagctca aaaaggaagc gctgagacat ttttccgaaa agtaaagtgc 120
tggaagaag atgctgaggg agatgctcca cctgttttta atatagacgg tgtgaactac 180
ttccacgtaa aggttgctgg attgctatct gttgctacta ctagagtcaa tgtctcccct 240
tctcttgttt tggaactttt aca 263

<210> 22899
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700951962H1

<400> 22899

cgagaatggg tttatcactc ttacgggtggg ttctgccgct gactctgttg ctcacctgcg 60
ccctaggttt ccaatcggac gagcttctcc tcgacgacga agagttcggc atcgaaggag 120
gacgaacctc ctttgattcc gattcgcac caccctccac cgctccacc tcgaggaaga 180
ggctttccga ctctctctcc gattccaaga tccagttccc tctccaacac gctttcggcg 240
actccgattt ctccgacgcc g 261

<210> 22900
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700951963H1

<400> 22900

gtaagctccc aagcagtggg aggaggctcg ggactctgac cgcgtgcctg ttgaagaatg 60

002220"CTE560

agccggcgac tcataggcag tggcttggtt aagggaaacc accggagccg tagcgaaagc 120
gagtcttcac agggcaattg tcaactgctta tggacccgaa cctgggtgat ctatccatga 180
ccaggatgaa gcttgggtga aactaagtgg aggtccgaac cgactgatgt tgaagaatca 240
gcggatgagt tgtggtt 257

<210> 22901
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700951902H1

<400> 22901

agagagagga gcacaccatc gacaacatcc tacacatgca gcttcacaga gaccccaatg 60
tcttgtttgt cggatacaag ctctctctcc tcttcaatac aaaattattg tcagggttag 120
cgtcttttcc ttattactac tattgctgcc ttctttcaat ttcattggaat agttcagggt 180
tttgttctaa gctatttcga gcatatagtt agttagggtt aaagaataag acccaaatcc 240
tacttttatt tggaataaat gtggattgca 270

<210> 22902
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700951903H1

<400> 22902

catttgctgg tgagaggtga ccccatctct cttttatctc tctcttccaa aaagcaccga 60
tttttgcgca cgccaacgag aatcgagaag agggcttcac cgagaacaaa aaatgggtgt 120
ttgtgggtcg agggcccaaag tgaacgaaga agacctctca tcaaagaaga agaacaacaa 180
caacaacaat catcgaagaa gaagaaggag aatcctcaga agacgggtat cttctagaaa 240
gatcgaagcc aacaacgttt ctactc 267

<210> 22903
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700951904H1

<400> 22903

cgccggggcc attgtttaca ttaagataga ccttgcgttg caaacaacta tggaagggt 60
tgtggtggcc atgtccctga ttggagcaac ggtaatcacc acatgctctg gtcctatagc 120
ggattggctc ggtcggcgac ccatgatgat aatctcatct gtgctctatt tcttgggtgg 180
tttggatgat ctgtggtccc caaatgtgta tgtgttgtgc ttggcgaggc tacttgatgg 240
atttgggatt ggccttgctg tga 263

<210> 22904

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700951905H1

<400> 22904

cggatgagat gtacaccaca ccggaggatc ttgttaaggt cgtttaccac tccggaacc 60
ggattgcgcc cgctcacgaa gggatggaat tgggtattgg cgacacttcc atcgtcaagg 120
cgcttgctga ggcgtacgga aggaccgagg tgtggattaa gactcagtat cagaaaaaag 180
gggatttggg cttggttgct aaagagagac gtacctcgca acctatgatg tttaagcccg 240
aagacattga ctattacgaa 260

<210> 22905

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700951906H1

<400> 22905

cgaggatgaa aagattgaac tttcacatag gagaaaacga aaacgaacaa taatgaatga 60
taagcaggtg atgctgattg agagggcact caaagatgag cctgatatgc agcgaaatgc 120
agcttcactt caatcatggg ctgataaatt aagtgggcat ggttccgagg ttacatcttc 180
acagcttaaa aattggttga acaatcgaaa agctaggcta gctcgcacag ctagggatgt 240
taaagcagca gcaggtgatg ac 262

<210> 22906
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700951907H1

<400> 22906

gtcattgaag gctctctccc accgtctctc gacggcgcct acatccgaaa cggccccaac 60
ccccagttcc tcccgcgtgg gccctaccac ctcttcgacg gcgacggcat gctccacgcg 120
cttcgcatct cccatggcaa aaaacccacg ctctgcagcc gctacgttaa aacctacaaa 180
tacaccatgg aaaacgacgc cggtttcctt ctcatccca acgtgttctc cgggttcaac 240
tccctcgtgg cctccgcggc acg 263

<210> 22907
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700951908H1

<400> 22907

gtcatttctc tctccggcga gaaagaaaaa tgcagcattt catggatttg caagcgaatt 60
cggagttggg tgagtcgaat tcatggcttt cagtgaaga gcagtccggt gcggcaccca 120
acaccaattt ggatcgcgtc ctcttcaacg acctcgtcga gattgtccct ctcgttcagt 180
cactcatcga tcgtaaagca agccgttcat tcacgcggcg tggttccatg atctacacca 240
agacaccac cagagaatca ttg 263

<210> 22908
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700951909H1

<400> 22908

aattaagcac cacaccactc tccaatatcc ccaacatggc tcaagtgggt tctctatctt 60
ccgaaatgga gacactgaat catgtcctag ccctagtgga ggcattccga gcatttgacg 120

cggacaacga tggccgaatc acgcaggcag agctaggagg aatcttgggg tcactcgggt 180
acaaccctag cgagcaagaa gttagggcaa tgattgaaca cggcgacaag aacaaagacg 240
ggttgttgag catccacgag ttct 264

<210> 22909
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700951910H1

<400> 22909

ccaattctct gaaatcgtat ccttcaaagt ctgttttgcc tttaaaaagc tatacaaagt 60
agtatcaggt atcttgttca ggactctccg gagttgccac tgggtgctacc tcttcagaag 120
tttgctctgg tgcaaataat ttttctttgc aagattttgc agttggacgt agtagccttt 180
ctctccctca tgatggtaga caacgggtcaa gtaatgggta ctctgtaat aaaaagggtgc 240
gtgaaaatgg aagaatggta ag 262

<210> 22910
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700951911H1

<400> 22910

acgagatttc tgatgatgat gaagcctcca caaagagttc caaggataaa aagtcaaagt 60
gacctgattc tggaaaagca tcaaacctta ttttcaagat tacaagcaag gtcccttaca 120
agactgttat gaaagctcaa agtgcagttt tgttaaaggc tgagagtatg gcagataagg 180
ttgagtggat caacaagtta agaagtgttg cacaggctaa aggagggtcaa gccattggtg 240
aacctagttt tcctatgcga caaa 264

<210> 22911
<211> 102
<212> DNA
<213> Glycine max

<223> Clone ID: 700951913H1

<400> 22911
 tcccaataca gggaggctta tcagttgggt tgatagcatt gatatacct gaaatcctct 60
 actgggggttt tgagaatggt gacatcttat tagaatctcg gc 102

<210> 22912
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951914H1

<400> 22912
 ctggccttgg aagtatctgg ttccatggat gaggaagac ctatttgcta ggagagaagc 60
 taggtacagt aggggactga atatcattga aagcaatgat tcttatgaca tggaagattt 120
 tgcaatgcca ttacaagaat acatcaatga tcctgtggct gtggatgttg tacataatgg 180
 agccacattc caggttgacg gtttgacaaa caattcttat atagcagaag cacatgaagt 240
 gcgccattgt gtacagaaat ataag 265

<210> 22913
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951915H1

<400> 22913
 gttgcgaagt cgtgcaacta tcccagatta tgcttataag gcaattgatg cattgcctgt 60
 ttctgctcat ccaatgactc aattcacaac tgggtgcatg gcccttcagg tgcagagtga 120
 gtttcagaag gcatatgagg gtgggatagc taaggcaagg tattgggagc caacttatga 180
 ggatacaatg aatctaattg ctcgtttgcc agccattgct gcttatattt atcgacggaa 240
 atacaaggat ggaaaaatca taccg 265

<210> 22914
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951917H1

<210> 22917
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951920H1

 <400> 22917

 gcctgtgaag agaaatacct caacagcaag acagaggaga gcacccacac aggaaggtcg 60
 cacttgccat agctcgcgat cggcggtgca ccttgatata cctctgacag ggccaaaatg 120
 gctcaaagag gcatgggtgg ggcgacttag aaacccggcc ttattcaaca gactcgaaga 180
 ggaacttctg tgggatatcg gaactaatat ttcggtgaaa tatatggggg acgacatggt 240
 tctgctcctt ggactcacag atg 263

<210> 22918
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951921H1

 <400> 22918

 cgagcaacca tggcaatggc aaccaagcc tctctcttaa cccacccct ctccggtctc 60
 aaagccagcg accgcgcctc cgtgccatgg aagcaaaact ccagcctctc cttctccagc 120
 ccgaagcccc tcaagttctc cagaacaatc agagcagcag ccgccgacga gaccacagag 180
 gcaccagcaa aagtagaggc tgcaccggtc gggttcacc caccagaact tgacccaaac 240
 accccttecc cgatcttcgg ggga 265

<210> 22919
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951922H1

 <400> 22919

 cttgctgagg ctgcagcaac accaagatag gacccattt tatccatctg tgttataaac 60
 caccaactgg acctgtcaat gtcaagttag cattagtcgg aaaaggtttg acttttgata 120
 gtggtggcta caacatcaag acaggacctg gctgtttgat tgaacttatg aaatttgata 180

tgggcggttc tgctgcagtt tttggagcag caaaagctct aggtcagatc aacctcttgg 240
 agtggaggtt cattttatag tt 262

<210> 22920
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951923H1

<400> 22920

ctgatattat atttccaatt tgctgtcaaa acattattat cgatcaattt gaaattgata 60
 cagagctgag agcatcaagg aatagaatag aagattcatt tttccatttt gatatggaag 120
 ctgatgtttc tattatTTTT gccgcgtttt caaaacccta aattgaagaa atcccaattt 180
 cccctcctct ctctctgctt tggatgattt tcaacaaaa atctgtgctt ttgtgctttt 240
 cgaatctttt gctctgatgg 260

<210> 22921
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951925H1

<400> 22921

ctatttcctc ttcttcatca cttgaatcca ccaagtcctt ctctcacac acataaaaaac 60
 aaatatectc cacttcttct acccccagca gtagaacaag aggtgccgga gcaagtttctg 120
 tcacgccgga acgatgaccg gcggcggtat cacggggagg ttgccgacgt ggaaggagag 180
 agagaacaac aagaggagag agagaagacg aagagcgatt gcagctaaga tctacactgg 240
 ccttcgagcc caggggaact a 261

<210> 22922
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951926H1

<400> 22922

00330-ET-550

agacaagcca agtgaagag agaagataag tcaaagacaa tgtcagggat cattcacaag 60
 attgaggaga cccttcatgt gggaggccac aagaaggagg aggagcaciaa ggggtgagcag 120
 caccatgggtg gagaatacaa aggggagcat catggtgaac acagtactga atacaaagga 180
 gagcatcatg ttggtgagca caagccggag caccatggag gagaagagca caaagagggg 240
 ttcctagaca agatcaagga 260

<210> 22923
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951927H1

<400> 22923

ggcaatggca acccaagcct ctctcttaac cccacccctc tccggtctca aagccagcga 60
 ccgcgcctcc gtgccatgga agcaaaactc cagcctctcc ttctccagcc cgaagcccct 120
 caagttctcc agaacaatca gagcagcagc cgccgacgag accacagagg caccagcaaa 180
 agtagaggct gcaccggctg ggttcacccc accagaactt gacccaaaca ccccttcccc 240
 gatcttcggg ggcagcacccg g 261

<210> 22924
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951928H1

<400> 22924

ctctctctct ctctctctaa cacggagtga tggctgtgca gctgtgggaa accctgaagg 60
 aagccatcgt agcctacact ggcttctctc cttccacctt cttcacggtg ctggcgcttc 120
 tttttgccgt ttactacgtc gtcacgggtc tctttggctc ctccgacgat caccatcacc 180
 gccaccgcca cgtcgaggag gaggaggaga tgccgcctct gcgccccccg gttcagctcg 240
 gcgagatcac agcggaggag c 261

<210> 22925
 <211> 274

aggagtatat atctgattgt agattgtgta attgggcagt gtgaagttat ttgtagtttg 120
 tggacagaga atacactctg taggagactt ttgtctctgg gacagcaagt gtattgctgt 180
 atagtgtgtg attccagtgt tctatatgat attttattat gttatcaatt ggtgttctat 240
 caccttggga gattgagctt gaag 264

<210> 22931
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951874H1

<400> 22931

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60
 tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tgctgttctc 240
 tacatcaccg t 251

<210> 22932
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951875H1

<400> 22932

atataaggca attcttaaatt gggcagtaaa gttgggtatg gattttgatg ttataagatc 60
 aaattcaaca gttctccatg tcttccccctt caattctgag aaaaagagag gtggtgttgc 120
 tttgaagctg gtaatcattt gataaaaaca tttactgatg catcctttca tttagagcaa 180
 tctgtgaact agtacgagac atgtattcat ccttgtttca attgataact ttcacttgtg 240
 aactaagtta agttgtaata gtga 264

<210> 22933
 <211> 263
 <212> DNA
 <213> Glycine max

catgtgtgcg acctcccacc aaggagatt gattgttacc atatagtttg aagtaagtga 180
gacattagct ttcttgtttg taaaattttg tttctaagga tgcttcaaga ccctacatat 240
tttgatcatc ctag 254

<210> 22939
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700951883H1

<400> 22939

caacctcaca gcaagtgggc ctaggcccac cccgcaaggc tcctaccatt acggtctcat 60
aaacacaacc aggaccatca tactgtcggg ttcaccaggt atagtgaatg gcaaacaaag 120
atacgcaatt aatagcgtgt cttacgttgc tccggacact cctcttaagc tcgccgacta 180
cttcaaaatc cctggcggtt tccgtgtggg aagcattctg acaggcccat ggcggtggca 240
tataccttga cacatctgtg ctgcaa 266

<210> 22940
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 700951884H1

<400> 22940

ctagttctag atcgcgagct gccgcctat tttttttttt tttagaaatg gcgaatagag 60
aagaaaacaa ccacgtcac aaattcacag tgaaatatgt tggcctcaac ggaatggaat 120
gcgaaggcaa attgccgagg aggggtggtg c 151

<210> 22941
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700951885H1

<400> 22941

atccccctgca aggctgtcac ctagaagggg atctaaggcg tctaggtgga gatggagaac 60

gacctcttcc aggagacacc ttagatcccc tagctggctg tcacctagaa ggatgcgtgg 120
 aaacccaggt cgaagacgtt cacctccacc tctcccagg cgccgatcac cacctagacg 180
 actacgtagt cctcctagaa ggtctccaat tggtcgtaga cgtactcgct ctccaatacg 240
 taggtctgcg cgctcacgct 260

<210> 22942
 <211> 160
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951887H1

<400> 22942

ccattgctga ataagtgcag caatgcccaa aaatttgaac tagaaacttt gaatctggat 60
 gcagatgatg atcagcttcc tgagacatgg aatagtaaag aacgaatcta atatgtgtca 120
 ggatttgtct agtagaaatc caaaccagaa catgaatttg 160

<210> 22943
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951888H1

<400> 22943

tgctgacttc ctgtttgttt ctgatctatg gcttccaagg agttctcttg tctttgttcc 60
 ttggtttctt cactctccga gagcattttg tgcactactg gggtgaaaat gtatttggtg 120
 gagagcaaag gaggtgccat aacatgcatg ttcttggtct ttttcttctt ggggacatgg 180
 cctgctcttt tgactatggt agaaaggcgt ggctgctctt ctcagcatat ctaccttgat 240
 tactcaatca ccaatttctt gtct 264

<210> 22944
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951889H1

<400> 22944

aaatgaccaa gatcttcttt gtattgctgt tatgtctgat catagcagct tcttctgggt 60
 ttgtgaattg ctttgatggt gaaaagaagg aaaagattga aatatttgag ctcaataaag 120
 gtgacctttc tttgaagggt accaactggg gtgcttcaat tttgtccctg gtgattcctg 180
 ataagaatgg aaagttgagt gatgttggtc ttggatatga ttctgttaag gattacacta 240
 atgatacaac atattttgga g 261

<210> 22945
 <211> 157
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951891H1
 <400> 22945

aaagtgagaa cacaagatgg gtatatatgg agaaaacaat tataactgct tataataaat 60
 taaattggca atgtaatcga ttatttcaag aaagtaatcg atgagatttc ccatttaatc 120
 gattaaagtg ttcttcccca aacctggaaa gttttcg 157

<210> 22946
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951892H1
 <400> 22946

aaaattagct cattgtgttg tgttatztat tgttgttttt ttctttttcg tgaggtggaa 60
 aatgatacgg acggtgggtt tttggtatcc gttgaatgtg tatgggtggg gaaagtggag 120
 gaaaagctgt tagtgaacta gtcttagctc ttaggtatgt ttggatacat ttctccataa 180
 acactttagg tgaaaaaaaa tagaaaataa aatgagttgg acttctacta taagctaagt 240
 ttaaatttta tataagcttt c 261

<210> 22947
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951893H1

<400> 22947

ttccgggtttc tctctctctc tctctctcat ggccaatcta gcacacttct ccaagagagc 60
 cctaagaagc gcacacgcgc tcgcaaggca ccacgtgcag ccgcagctgc tggcagcgga 120
 acgcgctttt gcgacggagg cggcgaaatc gatatccccg tcggcggatc gcgtgaagtg 180
 ggactaccga gggcagagga agataatccc gttagggcag tggctcccca aagtggccgt 240
 ggatgcttac gtagcaccca 260

<210> 22948

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700951894H1

<400> 22948

ctatgaacaa tgatgagcta catgtgggta tgttccatt ccttgcatth ggccacatta 60
 gtccatttgt tcagctctcc aacaagttgt tctctcatgg tgttcatgtc actttcttgt 120
 cagctgcac caacattccc agaatcagat caactcttaa totcaatcca gccatcaatg 180
 ttatctcact aaagttccca aatgggtataa ccaacactgc tgaattgcca cctcacttag 240
 ctggaaatct catacacg 258

<210> 22949

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700951896H1

<400> 22949

gatttgtatg ctgcagctac catattaaga tagacttgtg catccataaa tttcttcttg 60
 ttaattgatc acaaattcag agggcgagcc ctggtgcagc ggtaaagtgt tgccttggtg 120
 acttgttggc catgggttcg aatccggaac cagcctcttt gcatatgcaa gggtaaggct 180
 gcgtaccaca tccctcccc ataccttcgc atagcgaaga gcctttgggc aatggggtac 240
 gaagtttttt tttaattgat cac 263

<210> 22950
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951868H1

<400> 22950

ctctctctct ttttcgctc attccatttt catctatcaa tggctccagt agcagcagca 60
 tcttcagatt caatcaagcc aagagatggt tgcctcggtg gtgttgacag tacaccaatg 120
 ggtggatttc ttggtactct gtcctctcta tctgccacca agctaggctc tatagctatt 180
 gaagctgctc ttaaaagggc caatgttgat ccctcccttg tggaagaagt atttttggga 240
 atttcttagt gctaattggg gcaa 264

<210> 22951
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951839H1

<400> 22951

ttatcccaaa actaaaaacc tcaccctcat ctttctctca actcccttaa ccaaaaccaa 60
 aacaatggcc acccaaagaa gccatcattc ccctatctta ttttcgtccc tcctcttaac 120
 ccttttcggt ctctacttcc caagatgcc aacgcccatt cccaacaacc ccatcaaac 180
 cgctcgctgt ttggtaatgg aaaatcgctc cttcgaccac atgctggggt ggatgaagag 240
 actaaaccgg gccatcgatg gcgtgaccgg g 271

<210> 22952
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700951841H1

<400> 22952

atttatttta tttctatgga cttgatcacg aaatatatgg attgaattgt gtgcctgttt 60
 gttctgcagc ggtgggagag tactatttag gttctggttt ttattaccct tgattatctc 120
 atgttcatta tggactgggt ttccttattg tgggttttgg atttattggt tttgacagt 180

tagggttctg tcagagttag acttgacttg atgtttcttt ttgggaaatg tacgaggata 240
actggttctt tatacggatg gccccgta 268

<210> 22953
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700951842H1

<400> 22953

ggaaaaacaa aaggcatgag gatgtgatgc cccattttt ctagtttttag ttttatccac 60
aagctttggt ttgtgagttg aaactatgta tttgtaacct ataaaccac acaactccaa 120
cctccaccac cctcatatc ctcatatctt tcactctttt tccttttggt ttgtccaaga 180
cactggcttc tggagtttga gtgatagttc tacacctatc ataatgccat tcaggagcat 240
tgtgctgag ctcaaggaga ttggag 266

<210> 22954
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700951843H1

<400> 22954

atcgagataa ctagaacacag tgtgatgaaa atgaaggtcc ttgttttctt cgttgctaca 60
attttggttag catggcaatg ccatgcttac gatatgttcc ctctccgaat gaacactggc 120
tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
catggcgaac aatatagatc agactcca 268

<210> 22955
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700951844H1

<400> 22955

atatcttccc ccgttggcct actatgttat tagggacatt ctaaggaaaag gtttgagtga 60
 aaatcctaata gcaaagttaa tcattacggg tcatagtttg ggtggagcac tcgcaatctt 120
 gtaccctacg atcatgttct tgcattgatga gaagttgctg attgagaggt tggaagggat 180
 ctacacgttt gggcaaccaa gttggagatg aagcatatgc acagtatatg agacaaaaat 240
 tgagggaaaa ttctatc 257

<210> 22956
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951846H1
 <400> 22956

acaacacaag gccatcatca tggcagctgc ttctcctatg gcaagccaac tcaagtccac 60
 cttcactaaa actctttag ctccaagggt cctctctgcc tcttcaccac tccacctct 120
 gccttctaag aggcaattta gtttactgt tagggccatc caatcagaaa agccaacct 180
 tcaagtgatt caaccaatca acggtgatcc cttcattgga agccttgaaa cccagttac 240
 atccagcccc ttgattgcat ggtact 266

<210> 22957
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951847H1
 <400> 22957

ggaattcgga tcgaattgaa ttgaatttat tgaactagag agagagagag agagagaaga 60
 aaaatggcat atgcacacgg ttttctcca attttcaaata tgggttttgt gttttcttct 120
 gtatcaccat cacaaaaaaa acaccctttg gtgtatcctg catcacactg tggatatacc 180
 ctcaaattct atgatggggg gttatctgcc agatcctgca agtacaaaaa cccttccttt 240
 gtaaaacaag gttcaataag aggtttcagg gctctgaaat cggt 284

<210> 22958
 <211> 276

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700951849H1
 <400> 22958
 gaacggcgctc gacattttccg tcgccgaggg cgaatcccc aacagcttgt tcaacatcat 60
 aggcaacttg ctcttccccct tactcgcatc cgcgggcctg ttcttctct tccgcagagc 120
 ccaaggcgcg cccggcgggc ctggcgggct gggagggccc atggacttcg ggcggaacaa 180
 gtccaagtcc caggaagtcc ccgagaccgg cgtgagcttc gctgacgtgg caggcgcgga 240
 ccaagcgaag cttgaattac aagaggttgt tgattt 276

<210> 22959
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951850H1
 <400> 22959
 gatttgcatc atgttaggtt cattaccaat attgccactc cctgctctc cctctgatgg 60
 aaatctaggt cctctccctg agtctcaagt gattgataat gaggagcaga acaaatcaaa 120
 ttctgtttct gttccagcgc cggcaacagt tgccaccac accagaacga ttggaattat 180
 acatccgcct ccggacatta ggaccattgt tgataaaacc tcccagttcg tcgccaagaa 240
 tgggccagaa ttgaaaaga ggatcattgc aaa 273

<210> 22960
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951851H1
 <400> 22960
 gttgtgggct gctccagcct ctgtctgtgg ttggctctat cttttgctga aacttgaaat 60
 tgaatctctc tcaagcttcc tttcttaaaa ggtaggaat ttgaagcaga agtaagaact 120
 aggaagagat gggagtggat ttgagacaag tggggcagg tgcctcacc ctcacaatgt 180
 ttgtcatgct tggaaatatg atcaaaagag accacttcga taattcactt caagaaaagc 240

ttccaggagg atcggaagat gccaaactttg aa

272

<210> 22961
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700951852H1

<400> 22961

gtctctctct ctcgggtctcg ctcttcttct catcaagcac agagttacag actcaccgat 60
cttccgattc tctttcgtct tggtttatga gctcgaagga gagaccact cttggtggca 120
cgcggtattaa gacccgcaaa cgaaatattg ctgcgccgct ggaccctgca gcattctcgg 180
atgcagtggc ccagatttat ttggataatg ctggtgatct ggaacttatt gctaagagta 240
ttgaatcttc agaccttaac ttttcaagat a 271

<210> 22962
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700951853H1

<400> 22962

gcattccaat cgctcccaaa atcttttcta atttgttcat aactcaataa ttctcatcat 60
gggctccttg attgttccag gtgaacatga tcacaaacta aagcttggtt ctcttccctt 120
tgtatcaacc agtcacctca ttcccgtagt agacatagct aggctctttg ccattcatgg 180
tgttgatgtc accataatca ccaccacagc cactgccgcc attttccaaa gctctatcga 240
tcgcgaccgt gaccgcggcc acgct 265

<210> 22963
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700951854H1

<400> 22963

tgttcaccta tgaaaaagac agaaatgtct accagagatg cttttttggt ggagggagag 60

<223> Clone ID: 700951859H1

<400> 22966

gtttttaatc aaggccatgc atggttgttg ctgcagagaa agaaattacc attcttttat 60
gactttttgt gattaattga ttgtgtaggt tgtcaacatt gcacagtgga agggatatct 120
gttgtaacat aaaattccaa ttagaggaag ctctcctgt gtaagtcttt cggggatttc 180
gacttgcatt ttgtgtataa taaaagatga agaagttgga ggtgcaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaga 264

<210> 22967

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700951861H1

<400> 22967

cgataactag gaagtttctt aaacatccct tctttcaaaa aaccaatggc tttcaagaac 60
ttgtccgttc ttactctctg tgtttccctt gtgctttcct tctttgcacc gaattccata 120
gctgctaaca accgtgcagt ggttccctcca gaaaccattt gcaactccac cgtaaaccct 180
tccttctgca aaaccgtgct tgctaataca aatggcagca tcgttgacta cggtcgaatt 240
tctgtccgaa agtccttgtc ccagtc 266

<210> 22968

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700951862H1

<400> 22968

atatcactga gttccagacc aaccttgtgc cctaccctag gatccacttc atgctttcgt 60
cctatgctcc ggttatctct gccgccaagg cctaccacga gcagttgtcg gtgccggaga 120
tcaccaatgc cgtgttcgag cccgccagca tgatggccaa gtgtgatcca aggcacggca 180
agtacatggc ttgctgcttg atgtaccgtg gtgatgttgt cgctaaggat gtccatgctg 240
ctgtagccac catcgagact aagag 265

tgagcttagc ttcagatcag gccattccaa gattgtaaat gcttttacia gagtaaggag 180
 taataagaag ggataatata aataaaaaag cattaatatt ttcattctgtt gttaattctc 240
 atatatacata 250

<210> 22972
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951866H1
 <400> 22972

ttcctgttga tatatggagc ttgggatgca caattcttga aatggcaaca tcaaagcctc 60
 cttggaatca gtatgaagg gtagctgcaa tattttaaatt tggtaacagc agagatatgc 120
 ctgaaattcc tgatcatctc tcaagcgagg caaagaaatt cattcagcta tgcttaciaa 180
 gagatccatc agcccgccca acagcccaga tggtactaga gcatcccttt attcgagatc 240
 agtcattaac aaaagcttac aatgtcagaa taa 273

<210> 22973
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951867H1
 <400> 22973

ctctacctct ccttcaaga tgcagatctt cgtcaagacc ctcaccggca agaccatcac 60
 ccttgagggtg gaaagctctg acaccatcga caacgtcaag gccaatatcc aggacaagga 120
 aggaatcccc ccggaccagc aacgtctcat ttctgcggga aagcaacttg aggacggccg 180
 tacccttgct gactacaaca ttcagaagga gactactctt cacctcgtcc tccgtctccg 240
 tgggtggcatg cagatcttcg ttaagac 267

<210> 22974
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951836H1

<400> 22974

gtagaataag agtttaacgg aaaattggga tttgggtcaa cagctataaa ccctaataca 60
 ctaactacaa tttgcgttgc taaatggaac atcggaacac agaatacagaa gctggagatg 120
 tttcttcagc cacagcagtt ctcccttgag ctttagctcc tgggtgtaat gtccgtatgt 180
 tcactcagcg atctctoccca tttttaatgt ttatactctt ttttcattag atttttgtga 240
 ttttattgtt ttttgattca gggtcctaca tgg 273

<210> 22975

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700951807H1

<400> 22975

cccgtcaaaa ggtctacttc tcccccaagc tttactatct tagagttcaa gtaatcgagg 60
 ctcaggatct cgttccttcc gaaaaaggaa ggccccctga ctcccttggt agagtgcagc 120
 tagggaatca gatgagattc acccggcctt ctcaaattag aggcaccaac cctgtttgga 180
 atgacgagct tatgtttgtg gccgccgagc catttgagga ttttatcatt gtcactgttg 240
 aggacaaaagt tggtcctaata gttgaaatct tag 273

<210> 22976

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700951808H1

<400> 22976

ggagaaagtt ctaataatct cgatgaaagt caaaaatata agcattttgtg gcttgaatgc 60
 gaaaattgtt atggattaaa ttataaaaaa ttttttaaata caaaaatgaa tattttgtgaa 120
 tactgtggat atcatttgaa aatgggcagt tcagatagaa tcgaactttt gattgattcg 180
 ggtacttgga atcctatgga tgaagacatg gtttctctgg atcctattga atttcattcc 240
 gaagaggaac cttataaaga tcgtattgat tct 273

<210> 22977
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951811H1

 <400> 22977

 cttctgcccc cttttccact tcaattaggt atatcgccga ttcgattacc aatttgctta 60
 aactcaatca agcttcgcag cgtcaatcat tctattagag gtgatcataa tccatgtaat 120
 tctcgtactt catccctagt tatattttgt atcaaaaccc taattttaca tccttcacgc 180
 gcttaatcct tgtattttct ttgcgcgatt ggtttttctg tttgcaattc gatgctcagt 240
 tcatgttttt ccaaaaattc ttgttgcccc t 271

<210> 22978
 <211> 275
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951812H1

 <400> 22978

 ccgccacctc cagctccacc ggccgcctct ccttcggcac caccaccact tcctacgtca 60
 agtacacccc cttctccacc atctcccgcg gctcctcctt ctacggcctc gacatcaccg 120
 gcatctccgt gggcggcgcc aaactcccag tctcctcctc caccttctcc accggcggtg 180
 caatcatcga ctccggcacc gtgatcacc gcctcccccc caccgcctac accgcctcc 240
 gctccgcctt caggcaaggc atgtccaaat acccc 275

<210> 22979
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951813H1

 <400> 22979

 gtacaatcct gtatgtgatt ctgtactttc ggcagatgca aaggggataa ttgaatactg 60
 gagccctgct acacttcaat tcccagagaa tgtggtcgat tttaaattga aaagtgcac 120
 taacctcttt gaaattgcaa aatgcaagac ttctgtttcg gctattgagg ttagtccaga 180

tggttaagcaa ttttccatta catcacctga tcggagaata cgtgtgtttt gggttcagtag 240
aggtaaacta aggcgagttt atgatgaat 269

<210> 22980
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700951814H1

<400> 22980

cttttctctc ttctctctct ttctccggcg acgatctcag attccgggtca ctctctctcg 60
cggcgatccc ttattcctcc gtctctcgtc gagtcttttc cgattcgaat cgttcccagc 120
cttgtgccac catgaatccc gaatacgatt atttgttcaa gcttttgctg attggagatt 180
ctgggtgtagg caagtcattgt cttctcctga ggtttgctga tgattcatac cttgacagct 240
atatcagtag cattggagtg gactttaaaa t 271

<210> 22981
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 700951815H1

<400> 22981

cgtagtatatt cggaattcgg tcattcgagc gattcggctc agatttatatt cctttatatt 60
atatttttaa ttatttggtc ctagtcttta tcttataata attttcgcat tgcttgcccg 120
gtaattcaag atcaacttgg aaaatttgca agatttgggg tgaaatctgg tcggatcttg 180
ctttgtggga tggggatttt ggtgggtctt atttcaatac aaagctcttc ctcttcctct 240
tctaaaaatc ccatctcttt ctcttttttt tcatcataac acaaaacaca a 291

<210> 22982
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700951816H1

<400> 22982

ttggaaatgg caactctgca ctctcttgca ttgtctctc cactctccaa ctcaactcag 60
aagccacgct catgtgcagt cccatcttca attgttcac aaagtacaaa ctcttcattc 120
aatgggtcaaa cattacacct gccgtgttta aggttacctg tgctaagaca aaatactccc 180
atgcacatgc ctgttatcat gatgggtcaaa ccaaaaatac agttcatcca gggaaactgat 240
gaacaaacaa tacccgatgt gaggctgacc aaatc 275

<210> 22983
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700951817H1

<400> 22983

gtcnccggcg actgagtcgc ggtctcttcc caactcggaa ctcaagtccat tccgcatttc 60
tcttcaaacc aaatttcttc tgaagaagga gatttgaatt cagaattgag tgagaagaag 120
agaatagaaa tgggctccga attgattttc agaggccacg aggctcagcc cgtggacgac 180
tcgtactcgc cgaagcccca caagccctgg ttcaccgtga ctgccccgat tcaactacatg 240
ctccgcgagc agcgactcgt ctctgtctc gtcggcgtc 279

<210> 22984
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700951818H1

<400> 22984

ggacataata atgtctataa tgctaccata tttccccata atgttgggct tggatgtacc 60
agggatccta acctggcaca aaggattggt gctgcaactg ctcttgaagt tagagctaca 120
gggattcctt atgtatttgc tccatgcata gcggtttgta gagatccaag atggggtcgg 180
tgttatgaaa gctatagtga ggatcctaaa attgtgcaag acatgacaga gatcatacct 240
ggtctacaag gaagtatccc tgccaattcc aggaa 275

<210> 22985

<211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951820H1

 <400> 22985

 aaatttcaga agctagtgat caatcatcaa cacagagctg agtgtgttgc tctgtgaatc 60
 caccttcttc ttccattgga ggaccatttc ctctggaat agaaatacta ccacactttt 120
 cttttttcac ttctctaagt tgctaagtta attgctcctt ctttttttca ctcttcgttc 180
 tcgcgtaccc gtgtcacggg aactcgtggg gaagtgttcg aaaatgactg tcacacctaa 240
 gatctcagtt aacgatggga aacttggttg cc 272

<210> 22986
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951821H1

 <400> 22986

 gaagccttta accatgcggg aaacaaacat tacaagctag gcatcaacca ttttgctgat 60
 ctcacaaacg aggaattcaa agccataaat agattcaagg gtcattgtgtg ctccaaaata 120
 acacggacac ccacatttag gtatgaaaat atgacagcag tgccagctac attggattgg 180
 agacaggaag gagctgtcac acccatcaag gaccaaggcc aatgtggatg ttgctgggca 240
 ttttctgctg tggcagcaac agaaggaatc acc 273

<210> 22987
 <211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951823H1

 <400> 22987

 tttgtagtga ttattagagg atttgatcgt taacaatttc tcttcttatt tgtttaatgt 60
 ttttggtttc ttaggtgaat tattcaagag gaccgacaa tcccacaaag cagaaagaga 120
 gggtgttatg ttatggcggg caaaggtgtt gggtcagtg ctaaggcagt agcagaatat 180

cagtatcctt ggcgtgagaa gttggcgaaa tataaggatg agtttgctaa ggggtgtgtgg 240
ggatactggg agctgggggc atggaag 267

<210> 22988
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700951824H1

<400> 22988

cgctgagttg cgtcgtctct ctaacaaaac aaacaaacaa aaaaaatgat ttctgcgatt 60
tcgtgggtgc ccaaaggggt ttcgaagtcg gaacttgctg tggctgaacc tcctcccgaa 120
gaggaaattc aagagataat agccaaccac gcaacaaaaa gtggagacag tgacaatgaa 180
gacgctaaca acgatgacgt tgtggcacia gcattaaccg tagcagacgc attggcaagg 240
cctccactgg aacctgacgac gaaataacct tg 272

<210> 22989
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700951825H1

<400> 22989

ctcccctctc aggtttttgt ggataagatt gagctataat ggctgccagg agaccgggtt 60
tgattgcttt gtttgatggt gatggaactc ttacagctcc caggaagggtg gtcacaccgg 120
agatgttgac attcatgcaa gaactgcgga aggttgtaac tgttggagtt gttggggggtt 180
ctgaccttat aaagatatca gagcaacttg gcagcacagt taccaatgac tatgattatg 240
tattttctga gaatgggtctt gtggctcaca a 271

<210> 22990
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700951826H1

<400> 22990

ttaagcgggtt acacctcacc tatgattaga acaagtgggtt caatagacaa cacatttggga 60
atctttggag agatgatata tgcaagggtta tttggtaacc acgtgtcaaa cctccatata 120
tatgccaatc tttcggggac cagtaacca agaatgagaa gacatttaat gcaagttgat 180
aatcactca gcagaataag ttgtttctc ctttgctgcc tagttttgtg tctgctctta 240
ttctgattgc tatttcgttt tcatcctta 269

<210> 22991
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700951827H1

<400> 22991

gaggaagctc cagcagtcct agagaggcat ttcttagatt taaggaaaaa atatggggca 60
gtattggatg ttgatcttgt taacaagcat ggcggagaag ggcgactgtg tgaaaaattt 120
ggatgatgcat cgcagcatgt ggctggtaat gatgtaagat atctgcactt tgattttcac 180
catgtctgtg ggcatgttca ttttgatcgt ctctcaatcc tgtatgatca aatttcagat 240
ttccttgaga gaaatggata tcttctgtt 269

<210> 22992
<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 700951829H1

<400> 22992

gtactgaata ggaaatgaac ctgtgtaaaa ttatttagtg tctattttta gtttcagttt 60
accatggtgt ccgcacaaaa tgtaacaaa aacaaaatta taatttattt ttttatgtaa 120
taacatcagg atactataaa attgacattg tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaagg ggggcccccc aattttttcc c 211

<210> 22993
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700951830H1

<400> 22993

tcaagatgca gatattcgta aaactttgac cggcaagacc atcacccttg aggtggaatc 60
ctccgacacc attgacaacg taaaagctaa gattcaagac aaggaaggga tcccacctga 120
ccagcagaga cttatctttg cgggtaaaca acttgaggat ggtcgacccc ttgccgatta 180
caacatccaa aaggaatcaa ccctccatct cgtgcttcgc ctcaggggtg gcatgcaaat 240
ctttgtcaag actttgaccg ggaag 265

<210> 22994

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700951832H1

<400> 22994

aatcattctt cgctccttct ctttcgatta acatggcctc tcatttactc aatcactcgt 60
ccaagatgag aaatgcttcc aagttgctgc accacgaacg cgctcttttg gttcgttggt 120
tttcggcgca tgctcaatcc tctctcaacc gaaaccgcga tgtgtggaaa actcaattcc 180
acgagtcttc aacaacaaga agtgtctttg aaccggcctc cagctttaat aaacgttcac 240
ttggtatgca gaagagaaac atctccatgg ctacc 275

<210> 22995

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 700951833H1

<400> 22995

gtataaataa tgtttgcgaa tattgattca caaatcacia ccagttctct atgctgaatt 60
cactagcaat gtatttttcca catgtaagag tgaaaactag aaaatctgtg aaccatacca 120
ggcactacac attactgatt agtagaattc aactcagcag attatatatt gaaatctccc 180
agagtcagag tacatggagg aatgatattc cgccttggtt ggtatctagg gaatggcaca 240
ccaaatactg gctgcacacc atattctagt tttctcctta c 281

gataataaat gtgtattcaa gttgctgtag tagt

274

<210> 22999
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700951772H1

<400> 22999

cgatcatggc ttctatatcc tgtctatcct ctttctccct ctccaatttc tctgcacctc 60
ttcccatttc catttgttct tcatcttcca ccttcctaac ttcccaaata ccatgcaaac 120
ccaccaaacg tagcaaacca aaacgccacc acgtttcgaa agtgacatgc aacagtaacc 180
aaaacacccc aacaccaaac ccagaagaag aaagaccatc atacaacatt ctaggaa 237

<210> 23000
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700951773H1

<400> 23000

ctttctgact tcagccagaa aaattcaatt acagaatcca ctgacatggt gcacaatggg 60
aatacatcaa atctgaacat gatgtccagc tcagcaggaa agcctttgca agcagatggc 120
cataccattg atgatggatt tgccccgcca cagacataca aacagttgcc tgatacaaca 180
attaaggtga atccaaagtt atcacagcat gtgaattctg agtcgaagca agtgctagaa 240
ga 242

<210> 23001
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700951774H1

<400> 23001

agtcgcctta ggatgaaacg gcttgggagg atttgctgcc gaggaagtta ttgtcagaac 60
agatccaaca tgactggggg gtgatgtata ggaagattaa gaacatgggt gtgttcaagt 120

caggtgaagg atttctcaaa gaagtgcctc ttcaggatgt gaggttgcat aaggattcca 180
tccatagtag agcaaagcaa acaaatttgg aatatctgtt gatgttggat gtggacag 238

<210> 23002
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700951775H1

<400> 23002

cttttgttcc aaacaaaaac gtatgaattg gtcgggtttt ctccggagtc gtcttcactt 60
ttctccgagt ttttattatc atcatctctc tcgtgtccct gtctccatct ccattctctta 120
gtttcttctt caaatggcag aagttgaaga catagacaac cctcatcacg accaccatca 180
ttacctttct tcttctacaa cacaacctcc aatgatcaat ttcccgcgag atctgttaa 239

<210> 23003
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700951776H1

<400> 23003

gggaaggttg atcaaacgct acgcagcgga cgtgacttgg tagggcatgg caccacaca 60
ctgtcaacag ctggtggtaa ttttgttccct ggtgcaaattg ttgaaggtaa cggcaatggt 120
actgctaagg gaggatcccc tagggctcgc gttgttgcct acaaagcatg ctggaataaa 180
ctggatgaag gaggggtgcta tgatgcagat attctagaag catttgatca tgccatttat 240

<210> 23004
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700951777H1

<400> 23004

caggaataaa tgacttccct atgactacta ttgaccatat caaggcggga ttgcctgtgt 60
tagcaaaata taaaaggccg atagttgtgc atgctgaggt tcaacaagat tttgaaaacc 120

095313.03200

atttgagct taatgaggat aaccttgatc cacgtgctta cttgacctat ctcaatgcc 180
ggccaccttc atgggaggag gcagccatta aacaacttgt aggtgttacg aaggacaca 239

<210> 23005
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700951778H1

<400> 23005

gcaagagctg aaagagatcc cgaagcagag gcttcgaaat cgaacacttg cgaggaatgt 60
ggtgccactt tcaaaaaaca cgcctatttg ttgcagcaca tgcaaagtca ttcacttgag 120
gtatttgaac tcttgattaa ttattattta agaaaaataa gttggatata gtcaaactct 180
aaaagcacat aagaaaactg tattttaaag ctatgtctta tagaccgttg tgttccttga 240
g 241

<210> 23006
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700951779H1

<400> 23006

gtcctctttt ctcttctccc tttttctctc tgtctctctc tctcggtctc gctcttcttc 60
tcatcaagca cagagttaca gactcacga tcttcogatt ctctttcgtc ttggtttatg 120
agctcgaagg agagaccac tcttggtggc acgcggatta agaccgcaa acgaaatatt 180
gctgcgccgc tggaccctgc agcattctcg gatgcagtgg tccagattta tttggataat 240
gc 242

<210> 23007
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700951780H1

<400> 23007

cacatatctg cacttcacaa ccctccaâac aacatttaac tttatataaa accatcattc 60
tgaacaccat gtttactctc ttcttctctc ttcttctaca ttagttcttg ttattcatta 120
ttcattctca gcttcttttc ttctgggggg caaaaggggt cacttttcag atccgagatt 180
gagctccttt acccatcatc atcatggagc tcctcgggta cctgaatcag ggtcaccctt 240
ctaga 245

<210> 23008
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700951781H1

<400> 23008

gaccattaca agtatatatt acaagggttat ctcttggtta ttttattgaa tggttaaactt 60
tattatacta ctacctgcaa tattattcag cttattctta tgaaatttta ttaaattattg 120
tctatgtaca ttgggtttttt ggtcttggtt catgaatcat gggtgaggtt ttacctgttt 180
attgttgatt gtttgtattt cctgcacata atacatacat gcatctgaaa tatgaaaaaa 240
attctaa 247

<210> 23009
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700951782H1

<400> 23009

ggaaatttgc aaggggctcg acaaattcgt tattggacaa gagagggcca agaagggtgct 60
ttctgtagcg gtttataatc actataagag gatatttaat gaaacctctt tgcccaagtg 120
gcctgcagga gattcagata atagtgtgaa agttgatgct gctgatgatg atagagttga 180
acttgagaaa agcaacatcc ttctaattggg gcccaaccgga tcagggaaga cattacttgc 240
ca 242

<210> 23010
<211> 253

0953113-032300

<212> DNA
<213> Glycine max

<223> Clone ID: 700951783H1

<400> 23010

tggtacaaga agatatcaga gtcaattgaa tcagggaaca aattcaatag taaatatttt 60
tttgggtctt gggagagaga ataacagaca tgttactgta agtttgtaac aactatatag 120
ttatcatccg cacactcttt tctttctttc tttttccttt ggtattgagg gttgtaaaga 180
agcttcttgt ttgatatgta tgtaaatgat gtaaatgcc aagtcttgta cttattttcc 240
tgttaaattc aag 253

<210> 23011
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 700951784H1

<400> 23011

gggagtgaac cgatgtaggt gagcatttat taactgtaag atatgggaag atcaaattta 60
aataaagtga tttctggcgg ggcatgtaaa taatgcccta gggagtgtgt aattattgtt 120
tatgatacta tttctttgca attc 144

<210> 23012
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700951785H1

<400> 23012

gtgaagctac tctcagacat agatgaccaa gatgggttac gtttccaaat tccggtgata 60
cagttctatc gccacgaccc atcaatggca gggaaagacc ctgtcgatgt gataagaaag 120
gctgtggcca aaacgcttgt gttttactca ctttttcag gtaggcttag ggaaggactt 180
ggtcggaaac tgatggtgga ttgtactggg gaagggtgtt tgttcattga ggctgat 237

<210> 23013
<211> 235

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700951787H1

 <400> 23013

 aagagaaaga gtgggagaaa gccttagaga gaattttttt caaaaaagaa aaatattcct 60
 tcttaattct acgtacgtga ggtgtagaa gacacaacaa tgaatttggc aaagggtgtt 120
 ggcggaaaca ttgacaaatc ccaagttctg tccgctgttg aaaagtacga gaagtatcat 180
 gcttcttatg gaggtcagga ggaggagagg aaagctaatt atgttgatat ggta 235

<210> 23014
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951789H1

 <400> 23014

 gcatgttgtt gatgttgga ctatgcttcc tattgttctc tgcatttcca cttgcgttct 60
 ctgagagatg ccaccacaaa gacaagaaag cgttgctcca actccagaag gacctcggca 120
 acccttatca catcatatcc tggaacgcaa aggaggattg ctgagagtgg ttctgctgcg 180
 ttaagtgtga cgagaaaaca aaccgcgtca ttagcgttgc cttatcatcc ctttttcca 239

<210> 23015
 <211> 62
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951790H1

 <400> 23015

 cgaagaagca atacaccaaa acccaaataa aacagaaaat ttatttattt attcgttttt 60
 ag 62

<210> 23016
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951792H1

[illegible]

<210>	23017
<211>	237
<212>	DNA
<213>	Glycine max

<400> 2301.7

<210>	23018
<211>	242
<212>	DNA
<213>	Glycine max

<400> 23018

<210>	23019
<211>	243
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700951795H1

<400> 23019

atcaatggca attatcatgt tgaaaaggac atgggtccact ggctgcaaaa gtcactctca 60
gctaaggcag ggatctctca catgccatct ccattaggaa gtgattgctc atcaagatca 120
agtccaaaag tccaagtcac ccattgcagg aaaagggtga atcatttcac aaagtcaaaa 180
tcattgagaa gtccagtga taagatactg gaaaatagtg agatcaaadc aaatggcata 240
gca 243

<210> 23020

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700951796H1

<400> 23020

ataaaaaaca cacaagcacc acaataacaa acaaaaaata caattcaaag atcacattct 60
ccttcttctc atgttatgtt aataagggtt ctcttctctc ttccagaacc aaaatcccat 120
ttctggaaaa gaaatggagg aatcagattc aacaccaaag tctctgatgg agaattctgct 180
tggccttttg aggggttcgag tgaagcgtgg tgtcaacctt gccgttcgtg atgttcgaag 240
cagcg 245

<210> 23021

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 700951801H1

<400> 23021

attattatta gggtttggcg attcagagag aaagagaaat gggagaacga aaaggaatcc 60
caattgctct ggggctcttg gcgatgctcc tcttcttcat tgcttcttcc tcttctctc 120
acctcgttcg tgcttccgat gacgccgacg acgcgatctt ctacgagtca ttcgacgagg 180
atthttgacgg acggtggatt gtgtccgaca aggaggatta caacggtgtc tggaagcatg 240
ctaagagtga tgggcatgat gattatggac ttcttggttag tgaaca 286

<210> 23022
 <211> 292
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951802H1

 <400> 23022

 ttccggctcga gcttagaagg cgtcttcata aacgcctttc ttctccgttt ccgtttcctc 60
 gtccgaattc gctttttgat ctgcgaaaat gagagagtgc atctcgatcc acattgggtca 120
 ggctgggtatc caggtcggaa atgcttgctg ggagctctac tgccctcgagc acggcatcgg 180
 gcccgatggg caaatgccaa gtgacaagac agttggcggg ggtgatgatg ctttcaatac 240
 tttcttcagc gagactgggtg ctggaaagca cgtgccacgt gcagtgtttg ta 292

<210> 23023
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951803H1

 <400> 23023

 caacatgcga ctgtgttagc ctageggatg aaaacaaaaa aaaataaaaa aaattacatc 60
 taagcacaga gaaagaggaa gagatggagg cagaggcaga aggtgaagaa ggtgcgaact 120
 aagcatttac aaggcggcga gaagcataaa gcgaagagag aacagtttgt acaacgcact 180
 gagatccatc taccaagact ccattcttctg ctccgagatc tctctttctat ggcctcagct 240
 ccctctcctc gccaacctcc gctgcggcct ctggtactcc 280

<210> 23024
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951805H1

 <400> 23024

 atgagggtcca attcaacact cagtcggttc atttaggctt cactcttcag acttagttga 60
 gcctcaccctc ttttggttgg attcaattca tctcagtttg gcgagcctaa gccattctct 120

cttgactggtt ttatccttcc tagtcaaaca ggacaactca cctattatgt gaatttgggg 180
 cttattgttg ttactgatac cacataagag ggaagaagtg atcctcaaca ttagcgggtgc 240
 agttactccg atgccaaacg atgccccaac atgaat 276

<210> 23025
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951771H1
 <400> 23025

attaaagctc caggaaaatg gtcacatat taggaccctc tttctctttc tctctctttt 60
 ttctcataca cagttcgtga cactcctttt tcatgtttgg ggactctctt ctgggctttc 120
 ttcggtttta gccttagaag acggagatta ttaaaacatg ggttgctttc gttgcacagg 180
 caaatcaagc aaagaaacca acaacaataa cattaatcac gccgagaagc acaccat 237

<210> 23026
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951742H1
 <400> 23026

cggcagtgaa gttattagaa tctgtgttgt gttgtgttgt gttgagcaga gagagagagt 60
 gagggataag aagagaatag ggtaggggtt agggtagggg ttaggggttg attgaggatg 120
 ccgaagaaca agggaaaggg aggtaagaac aggaagaggg gaaagaacga ggcggacgac 180
 gagaagcggg agctggttgt caaggaggac gggcaggagt acgcgcaggt gctccggatg 240
 ctgg 244

<210> 23027
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951743H1
 <400> 23027

003330-ETEE50

<212> DNA
<213> Glycine max

<223> Clone ID: 700951746H1

<400> 23030

cttattgtct tgtctcaaaa tggatgatca aatagaggag gtttcaatat agtatcttca 60
agtgcacaaa gcagcattca tctggatgga ctattcaaca ttatctcata cgatttggtg 120
ccaaagctac agaatatgct tatgacatgt aactttaagg ttgtgattgc tgatgagtca 180
cattttctga aaaatgctca ggcaaagagg acaactgctt ctcttccagt cataaagaaa 240
gctc 244

<210> 23031
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700951747H1

<400> 23031

tagggaagat agtcaatgga tgttttagtcg gctggggaag cagtggatgga gagttattgt 60
ttatttttct aacaggaaca taatagtatt tgaggcactg aagtttttgt ggagcatttg 120
tttgattgat ttgggggggtt tggagaactc tgtggctctt ccgctgtttt ctagataatt 180
ttttatgcga aagatatatc ccaagtgttg aacggcttga gaagcggaac gggcaagtca 240
gccaaagc 248

<210> 23032
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 700951748H1

<400> 23032

ctctctctcc ctctttctcg tcaactagctc tgtgcattct tctctcgtc tctgccttcc 60
atcacactcg gcatttcctt tcccaagata gtagaagatg gcagacactg aggatattca 120
acctcttg 128

<210> 23033
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951750H1

 <400> 23033

 gaggaacaac acttggttatt actctttcat tgggtgcttgc gacacttggtg tcctttctcca 60
 ctttcacaca tgcctttctct actttctgctg ttccggaact gaatcctata aaacctaggc 120
 actcacgtct tctcaggagt gccgtgcaac atgaaactcc tacatcacag ctttctgaaa 180
 tatggtcacc tctggaaagc caaggacgga aaccttatgt tgaatcagat aagccatcat 240
 taccagag 248

<210> 23034
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700951751H1

 <400> 23034

 attgtgccct ccctctttct agctatttcc ctctcttaac acaattaaca aagatatatc 60
 atatcatatc aactccaaat gatgaaaaat attgggttgt ttcttcttgt ggtgggtggct 120
 acttttgtgg tggcagccac agctggtagc ttttaccaag actttgaaat aacatggggg 180
 ggtgagcgtg ccaaaatcta tgaaaatgga aatcttctca ccctctccct agacagagnc 240
 tctggctc 248

<210> 23035
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951752H1

 <400> 23035

 gacctaccaa gaagaaaaag cttgactggg agctgcgtct aaaaatagca cttggagcag 60
 cacaaggact tgcttatcta caccatgatt gctgtcctag aatcatccac agggatgtga 120

0953113.030200

aatcatctaa cattatatta gatgcagact ttgagcctca tctcactgat ttggcattg 180
 ccaaaagtct ctgcccctcg aagtcccata cttctactta cataatgggc acaattggct 240
 ac 242

<210> 23036
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951754H1
 <400> 23036

cttggaaacg ttcttcgtgt tctccattcc ctctctcact cttcatcta cgtaatttcc 60
 ttcttccctt tctttctttc tttctttctt tatcttctca tttttctcaa tacaattttt 120
 ttctttcttt ctcaagtttt gctacttttc tcttcttaac catagttcac atattatattc 180
 atcacatatc atagtgatat catatcacia tgtgtggcat acttgctgtg cttgggttgct 240
 c 241

<210> 23037
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951755H1
 <400> 23037

tcctaagaat gttgagcatt ctcttttaca ggcttccttt ggtgtatctc cttcgggtag 60
 gatgtcacca agaagtgttg aaccaatctc tccaatgagc tctcgcatat cggcatttgc 120
 tcagcgcgaa aaacagcagc agcagcagca gcagctgcgc agtctcagtt cgagagacct 180
 cggtgccaac agtcctgcct cacttggttg ctcccctgca aacccttggt caaagtgggg 240

<210> 23038
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951756H1
 <400> 23038

002230-ETFE50

tgcaattgaa gttaaaagcc ttagccttcc ctacaactcc aaacacaaag acatcatcat 60
ccatggctgc ctcgctctcc actgtcggag ctgtcaacag agctcttttg aacctgaatg 120
gttctggagc tggagcttca gctcccagtt cagccttctt tgggaccagc ttgaagaagg 180
ttattgecte aagggtcccc aacagcaagg ttccgggtgg aagcttcaag attgttgct 239

<210> 23039
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700951757H1

<400> 23039

ctcagaagaa gacccttcca ccgggcccac cgggctccct atcttcggga accttctatc 60
tcttgacctg gacctccaca cttacttcgc cgccctggcc cagatccacg gcccaattct 120
caagctccga ctcgggagca agctcagcat cgtcataacc tcaccggcca tggctcgcga 180
gggtgtcaaa gagaatgaca ccgttttcgc caaccgcgac gtccccgccc ccggaaggtc 240
ag 242

<210> 23040
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700951758H1

<400> 23040

attaacaaat catagcatag cagaagaaga agaagaagag atacatagaa agaaagaaaa 60
aaaaaatgag tttgagggaa gacaatgaag agggaaggga tctgaagaag ccatttcttc 120
acacgggaag ttggtatcgt atgagtggga gacaatccag tgtgttcggt tccacacagg 180
ccattcatcc agtcctccat ctctgtcttt gcttgtgttc taatcgttgc tttgggtcca 240
attc 244

<210> 23041
<211> 241
<212> DNA
<213> Glycine max

<210> 23044
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951762H1

 <400> 23044

 cgttttaccat gcttttcctaa gagaaagaga aaagtaaaac ccctcactac tgatagattt 60
 tcattcctcc gaggaaaaaa aaaacatgtc ggatgctttg atcaatggat tggccggagc 120
 tggaggaggg atcattgctc agctcatcac ataccactt caaactgtaa aactcgcga 180
 acaaaccgag cgtgatccga agaaagacac gaggagtcaa ggggccctcg aacgaatgtg 240
 ccag 244

<210> 23045
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951763H1

 <400> 23045

 cttccgtttc tttttctttt tctctctctc tagggtttcg aaaatgttct ccggctccca 60
 gttegacgcc accaccgct tctccggcgg cggtttcatg tcttctcagc cgtctaccct 120
 caacgattcc tctcccgccg cgtcaaaaag ccgcgaaaact cagggtttgg tgccagtgc 180
 agtgaagcag ataagcgagg cctctcaatc cggtgatgaa aagtcgaatt tcgtgatcaa 240
 cggtgta 247

<210> 23046
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951764H1

 <400> 23046

 tctcccgaag ataaggcaga gaagagaagg agagaggctt gtacctggag agaaaagagg 60
 agacaataat acatggggaa gcagggtcta aacacggtgg agcaacaatc tgtggcaccg 120

acagcateca agtttccgtt gagcttttgg gaagccacgg tggcttcaac ggtggcgtg 180
gtttttgcgg tgggtcttct cggcgtgtac ctcaccatgc ccgattccga ttacagcttc 240
ctta 244

<210> 23047
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700951765H1

<400> 23047

aaacctctc actaccctaa accaccagtt catccacatc caccctcatgt cccaaaacct 60
catccaaagc ctccagtgc tccccatcga ccttatgtcc caaaacaaca attggggcag 120
tagcaccagc atatgttcca aaaccaccaa ttgtgaaccc tccctatgtc ccaaaaccgc 180
ctgtttgtgcc agttacacca ccttatatcc ctaaaccacc agttgtgaca ccagcatatg 240
tccctaa 247

<210> 23048
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700951766H1

<400> 23048

ggaggagaga gacagttcaa tggccttggt gatgtctaca ggaagacatt ggcattctgat 60
ggtgttgctg ggctctaccg tggtttcaac atctcatgtg ttggaatcat tgtgtatcgt 120
ggtctgtact ttggattgta tgattccgtg aaaccagttg tcttcaccgg atcattgcag 180
gatagctttt ttgccagctt tgccctcgga tggctcatca ccaatgggtgc aggtcttgca 240
tcat 244

<210> 23049
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700951767H1

<400> 23049

ctgcattctt ttaatgtgcc ttctaagttc cttctcacc ccaatcaacg ctcttctcaa 60
cctcacttta ccccaaccaac accctcacc cgaatccgtc gtccacgac tccaacggaa 120
ggtgaatgcc tcactatgga gaagggaat gctgtcaaag gaggaccaac aagaaggcat 180
gtcgtcgtcg tcgtgtctga ccggaaaccc catcgacgac tgctggcggt gcgatccgaa 240
ctggg 245

<210> 23050

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700951768H1

<400> 23050

gtttatttca ttttatattt cttctttcac cctatgtttg gatgcagaga aagaaaagag 60
gagtaaagaa aaaaaaattg attttaaaat tctgttggtt ggttgaaaag aaagtagaga 120
ggaaaaaata tctagaaaac aaaattttgt atgtgttacc ttcatttcat atttcaaaat 180
ttttgctctc tcctattggt tccactaatc agaatttagt ctaaataaat actgaattga 240
ggaa 244

<210> 23051

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700951769H1

<400> 23051

ggtcgccttg tcacccacca aacccatgac cctcccttct atgctgtttt cggttgattgc 60
aacaacagtg atggagccag attcatccat gcaacttttag atatgaccat atctgatatc 120
ctctctcccc ttgacgttcc acccattggt caatcattgt ttgaccacca caaagctgtc 180
aaccatgacg gtcacacaat gccgttggtg tccgtccaag tcaactgaatt tgtggatggt 240
g 241

<210> 23052

<211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951739H1

 <400> 23052

 cactgtcctc gctcaaggaa tcacctttct agatcaccca gtaacaattc tagcaaagca 60
 tgggatgatg cttcttttga ttcaggctct gaccaagtgg gttcatgcac aacaaaggat 120
 atgcttggcg ccctttactt acagtactct gagaactctc caccttacca gcgggttcca 180
 ttttctgaga agataaccga gttagctaaa agccatccag gattgatgag gttgaagagt 240

<210> 23053
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951708H1

 <400> 23053

 gccttggtca gttcatatt cccaccacca tttctctgg tggtttcggg gatgtcagtg 60
 ataagccttg tgtactggc taatgctggc ttctcagaga ttagagggaa gcatttgaac 120
 tattcaaagt tttggaatgc taatccctct gcagaaaagc aggtcaagtt gtctagcaaa 180
 gctggcatgc ttttgctgta cactcctgct tttcttgctg gccttgcac cttctggatc 240
 tttcc 245

<210> 23054
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951709H1

 <400> 23054

 aaccaattgg cctcaagttt gagaacccaa gagagggtga agaaggccaa acctggtgtt 60
 gtttctgctg ttcttacatc aagtaacacc aaagaatcag tggcttttca aatgccatcg 120
 tttctcagaa gaaaggctga tccaaaaaat gttgtttcca tcatattggg agggggacct 180
 gggattcaac ttttctctct taccaagcga gctgccacac ctgctgttcc tgttggtgga 240

tgctac

246

<210> 23055
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700951710H1

<400> 23055

ccggaagcaa cagaggaagg agcctgagag gcctctttat caagtacttg aagagaagga 60
agaaaaaatt gccctggaa ctttgcttgg aaccacacac acttatgtgg ttggcactgg 120
cacacaggac aaatcaggtg ctaaaagggt tgatttgctt agaggtcaga agacagataa 180
agtggatgtc actttacagc ctgaagagtt ggaagccatg gaaaatgttt tgcttgccaa 240
gtacga 246

<210> 23056
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700951712H1

<400> 23056

ataagttggt ggattttgag caccatctta gcaatgtttc tcagcaggct gaatcccttg 60
tcaagtttca gcaagacatg ggtgaaacgg ttggtgaatt aggtctggct tttgtaaagc 120
ttaccaaatt tgagacggaa gaagccatat ttgagtctca gagagtctga gctgctgaca 180
tgagaaatgt ggcaactgca gctgttaaag caagcagggt atatagagag ctgaatacac 240
agacaat 247

<210> 23057
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700951713H1

<400> 23057

agcaagctgg ttatggctat gtgcaacctg ggcatactc tgggccatca cccagcata 60

acatgcctca gtaaccatat gcaggctatc ctgcccagca acctggtgga tattccacca 120
attgggacca gtctactgca ccacctccac cagcagtcta ctcatggtgg tggttatgat 180
tactatagtc aacagccaca gcaaccacaa aatcctgggg gtactgcacc tccagctgat 240
ggctct 246

<210> 23058
<211> 247
<212> DNA
<213> Glycine max
<223> Clone ID: 700951715H1
<400> 23058

attgtgattt atcagatgga ttttctgaag atcctttgcg tcacttccca cctagcaagg 60
tgccacacct tcattgtttt attcagagga aattagcggc tcacgacttc cttcagcaca 120
atcctattgt agagccaagg cccaacttgg tcagaggaat cagggaagca ttgctaaggc 180
atctcacggc tggtcttagc aatgatgatt tggctactca tttcatgttg ctgcacttc 240
tatccaa 247

<210> 23059
<211> 252
<212> DNA
<213> Glycine max
<223> Clone ID: 700951716H1
<400> 23059

gaagatgcga gcacttcatt gacagatcga gcagcaaac tacgtcaaac agcggctctt 60
atagaatgca acctaaagct tcttgaggca actggaattg aagacaagct acaggagggt 120
gtaccagaag ccattgaatc cctgcggcaa gctggaatca aggtctgggt tcttaccggt 180
gataagcaag agaactgcaat ttcaattggt ctttcttgta aacttctgag tgcagatatg 240
cagcaaataa tt 252

<210> 23060
<211> 258
<212> DNA
<213> Glycine max

002230-ETFE60

<210> 23063
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951720H1

 <400> 23063

 gggatcctga aacgggagaa ggcttgacca gcattgaacc gacaacggga acaataaatg 60
 acgtgtgtac atttcctggc agtgggttga tcttgctggc cttagattgt agtcaaatac 120
 catcttactt cataccatcg cttggacctg ctcccaagtg gtgttcttcg ctagagaatt 180
 tcactgagga gttagacatg ggtggacaaa caactattta tgatcattac aaatttttga 240
 caaag 245

<210> 23064
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951721H1

 <400> 23064

 acctgagcat gtggagaaag ctttgaagca tgtttaccat gcgtcaacaa acaaaaccaa 60
 aggaaaggaa ttggagcttt tgtagcaat attgccggac aacaatgggt ctctctatgg 120
 tgatatcaag cgtattttgtg aaaccgacct tggtttaatt tctcaatgtt gtttgacaaa 180
 gcatgtcttt aagatcacia agcagtattt ggctaattgt tctctgaaaa tcaatgtcaa 240
 gatgggag 248

<210> 23065
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951722H1

 <400> 23065

 gagagagaga gagagagaga gagagatcta tctatctatc aagatggcgt tgttggttga 60
 gaaaacaagc agtgaagggt agtacaaggt gaaggacatg acgcaagccg atttcggaag 120

005411-03200

attggaaatc gagctggcgg aggttgaaac gcccggcctc atgtcctccc gcaccgagtt 180
 cgccccctct caacccttca agggcgctag gatcaccggc tccctccaca tgaccatcca 240
 aaccg 245

<210> 23066
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951724H1
 <400> 23066

tattaggcct tccttaccgt gatgagaccg atgataaagt tacaattgaa agtgcggaac 60
 aactctcaag tataatgtgg caattaagtg cgcaactatt actccagatg aagctcgtgt 120
 gaaggagttt ggtctgaagt caatgtggaa gagtccaaat gggacaatta ggaacatttt 180
 gaatggaact gtcttcagag aaccaattct ttgcaaaaac attccccgcc ttgttcctgg 240
 ttgg 244

<210> 23067
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951725H1
 <400> 23067

ttaataatta gcacatagtt ttttggaga gttgtgaaaa tgggacttgt ggagcttttt 60
 ggagtggcat ctatgccgt gatcaaagta ctaataatca ctgcagttgg cttgcttctt 120
 gcactggata acgtaaattt gttgggaaaa gatgcaagga tacaagtgaa tcattctgtg 180
 cattatgtgt tcaatcctgc actggtgggt ggcaatttgg cggacacgat tacttttgag 240
 aatg 244

<210> 23068
 <211> 116
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700951726H1

```
<210>      23069
<211>      246
<212>      DNA
<213>      Glycine max
```

```

<400>      23069
agaaaactca agctcccaga ttctgttcca atgcctcccg taccaatttc ccccatcaaa   60
gttgggcaca ttgatgatgt ccaagagcta agaaaaacca agccaaggac aattcctcaa  120
agatttgtac gagacttgac agaaagacca acactcacta cacctcttcc cccaccacat  180
agtgacatgc cagtcattga tttctctaag cttagcaaag ggaacaaaga ggaagtcctc  240
actgaa                                           246

```

<210>	23070
<211>	245
<212>	DNA
<213>	Glycine max

<400>	23070	
tggcatagtt	aaaaatctca	tagttacaga cagaaatcct gttgcacttt aataaattaa 60
atgaaaagat	ttttcaatgt	tgcattactg tacttgtcca aagaaataca tttctgacgg 120
agacattggt	tggaatatat	acactttcag gtgatgggta tggtttggat ttcaaagtgc 180
tttcttctcg	ggtaatgaga	tgcacaaagt tttgaagtac agtgagcagg gatggacatt 240
gctgc		245

<210>	23071
<211>	247
<212>	DNA
<213>	Glycine max

<400> 23071
cgagtacttt tcgttcttga tctgttggtt acgatgtcgt attcaaggag atctaggtat 60
tctcttcttc cttctccttc tccatacaag cgatacggta ggtctgtgtc caggtctctc 120
tcaatatcaa gatccagaag cggttcaagg agtttatcaa gagatgcaga aaatccagga 180
aacaatttgt atgtgacagg attgtctcct aggattacca agagagaact ggagaaacat 240
tttgctg 247

<210> 23072
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700951730H1

<400> 23072
taaagcgggt tactgtctgt tcaagctacc atctctctct ctctttctta gtgcctcctt 60
gccagaagtt aaaatggccc aagaaacttt cctattcaca tctgaatcag tgaacgaggg 120
gcaccctgac aagctctgtg accagatctc cgatgctgtg ctcgatgcat gcttgagca 180
ggaccctgac agcaagggtg cctgtgaaac ctgcaccaag accaacaatgg tgatggtttt 240
cggagaga 248

<210> 23073
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700951732H1

<400> 23073
tgttgttttc agatcaaaag gccttctttc ctcatctcgg acgcacgctc cccatccatg 60
tctacttggtg taaaatcccg agatgtttgt attgttggtg ttgcacggac gccaataggt 120
ggtttacttg gcaccctatc atctctttct gccacagagt taggctcaat tgctattaag 180
actgctctca agagagcaaa tgttgatcca tcactcgtgc aagaggtgtt ttttgggaat 240
gttcttagtg c 251

<210> 23074

<211> 97
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951733H1

 <400> 23074

 ttcaccttca gcccttcctt ttttgcgctc attctgtttt caaaggcttc tttttcctca 60
 tggtgcagtg acgaacttct gaagacatgg caaatca 97

<210> 23075
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951734H1

 <400> 23075

 attttcatca tcttcttctt ctttttcac c aatcatcacc agtggttctt ttccttctga 60
 gaagatcgaa ttgtgttttg caaaaatggg agttccagag aaagaccctc tttcccaatt 120
 gagtttgctt cctggttttc ggttttacc caccgacgag gagcttctcg ttcagtatct 180
 gtgccgcaag gtcgctggcc accatttctc ttttccaatc attgccgaaa ttgacttgta 240
 caagttcgac 250

<210> 23076
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951735H1

 <400> 23076

 gcccatactt gtgggagata gatggcacgc ttgtactgc tcattttcgc gttctgcgcc 60
 gtcgccgctg ccgtcgccgt cgcgggctcc tccttcgatg atgccaaccc tatccgttta 120
 gcgtcggact tggagtcgca ggtgctggac gtgatcggac agagccgcca cgctctctcc 180
 ttgccccgct tcgctcgccg ccacggcaag cgctaccgtt ccgtcgacga gatccgcaac 240
 cgcttccg 248

<210> 23077

<211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951736H1

 <400> 23077

 caattaacaa actctaacaa catcatgggtg caatcaaaga agttcagagg tgtcaggcaa 60
 cgccattggg gttcatgggt atccgaaatt cgccaccgc ttctgaagag aagggtgtgg 120
 ctagggacat ttgaaacagc agaagaagct gctagagcct atgatcaagc tgcgattctg 180
 atgagtggga gaaatgccaa gaccaatttc ccaataactc aaactccaga aggtgatcca 240
 aagagc 246

<210> 23078
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951737H1

 <400> 23078

 gtgagattca tcaattttga aagaacaaaa cttcctgaag aaattctaaa gcataatcta 60
 gaagaaaaaa gaaaatattt ttcagatata attcttgaag ttgaaaggag tgatgccgag 120
 gttcaggctg agggagtata caaccaaagg cttcagaatc ttgctgtcac tcttgataag 180
 gtaaggatg ttatgagatg tatttttggc gatccacgga aagcaccacc tcctcttgag 240
 aa 242

<210> 23079
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700951707H1

 <400> 23079

 tacaatgtca ttgtggaaat tgccactatc ctctccccgg aagagctttt ggcggttaga 60
 cgcgctatc tcaaccgcta caagcactcc ttggaagaag atgttgcagc tcatacctct 120
 ggccatctac gccagctttt agtgggggtg gtgaccgcat tcaggcatgt tggatgatgag 180

gttaaaacga cgcgagacg gcgtcgctcg actcgacaac ttcaacgact actacgatcc 60
gtctctgaaa aaagcccgca agtccctcct acgccaagca tgacgtcttc atcgctgatg 120
gcgacctcaa cgacgccaag ctcttggaag agctcttcga tgtggctcgcg ttcacccacg 180
tgatgcacct cgcgggcgag gccgggggttc gctacgccat ggagaatccc cactcctacg 240
tccacagca 249

<210> 23083
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: 700951706H1

<400> 23083

gcaacaagag cttctgatcc gcgtcgccac gctctccctc atctacgtcc tcgccttcac 60
cacgcgcctc ttcagcgctc tccgctacga gtccatgatc cagcagttcg acccctactt 120
caactaccgc acc 133

<210> 23084
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700910063H1

<400> 23084

ataaaacgga gaaaagaaaa aagaaaaatg taagtggaag aagagaaagt ggcatcgctt 60
aggtacagat acagacacaa cctggtaaaa atcccgaccc cagtgccgca caattatcct 120
tcaactcgag cggaatttag gagtgtggtc ttctgtctt ggaagtgctg cttgaaagag 180
gaccttggtc atatgggtgc ttgtcatcat tatttgtgtg gtatttatcc atgcattatg 240
tggtcagaac ataataatca a 261

<210> 23085
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700910065H1

00331103300

[illegible]

<210>	23086
<211>	256
<212>	DNA
<213>	Glycine max

<400> 23086

<210>	23087
<211>	259
<212>	DNA
<213>	Glycine max

<400> 23087

ggcacttcg	ctctctttct	ccattttctcg	caaaaccact	gccacaacct	cccncctcgg	60
attcaaagtc	tccgccatgg	ctaccaccat	cgccgccctt	tctaccaagg	tggctcccgc	120
cgtcattgtc	gcggcggaag	agtgggtagg	gccttgcatg	acatgggcac	cggtaagac	180
ctcctcgttc	gccgacgaga	gtccgtacct	cccagatttg	agggtctcat	tgtagtgtgc	240
acaaggaacg	atgatcttg					259

<210> 23088
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910071H1

 <400> 23088

 tgctgagaaa attgcgacgc ggaaacacgc gcatcttcac gatcctggaa tccaccgcgg 60
 cgtatccagc gattccgac tccgacgagt ctgcgcaggc gaagaatcgc gaggccagcc 120
 gccggtgaag aacgcgcgat ttgtctggaa atcgcgattc agccacgatt catccccgat 180
 actgagactc aaccacgatt caggaagaaa aacgagacaa cctccgattc gtatcggtag 240
 cagttggaat catatcgaat 260

<210> 23089
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910074H1

 <400> 23089

 acacactggt aataattatt ctgattcacg aaaaacagga aaaccccaaa actctctttg 60
 ttcacaatgg gcacagagac ctcatcggtg gatatttcgg aaccctgct cttggatcct 120
 cacgggaacg aggaaaggaa gagtatttgc gcgaagaggt tccggagtgg aaggagcaga 180
 taacgataag agggttggtg gtgagtgctg tggtggggag cttgttctgc atcatcacc 240
 acaagctaaa tctcaccgtt ggg 263

<210> 23090
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910075H1

 <400> 23090

 tggaatatgc ttagaaaact gccaaagcca cccatattct ctcataactt gcaatcatga 60
 actggataac aataacaaca acaacacggc caccggtata gatccacctc taaagagatc 120
 atcattatta ccaatttccg atttcacagc gactattctt tgtgggcac tcttctcaaa 180

tgccaatctt ccccatcacg gtggctgcat gtcgcaggac cggcaatgca ccggaacct 240
ccatcttttc tca 253

<210> 23091
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700910076H1

<400> 23091

cttaaaagtt attaagagct tttgcttttc tttctgcgcg cctttcccaa ttaagtagtt 60
cttccttttc tcaaagcaaa aaaaatgttc atcgagagtt tcaaggttga gagtcctaac 120
gtgaagtaca caggactgag attcagtccg tgtacaacta tgaaaccact gaacttgttc 180
acgagaacaa taatggcact tatcagtggg ttgtcaagcc caaaactgtc aaatatgaat 240
ttaaaaccaa cacccatgtc 260

<210> 23092
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700910077H1

<400> 23092

gagcaggctc ggtcttcaag tcccacacgc accaccgcaa gggccctgcc cgcttcogga 60
gcctggattt cggagagcgc aacggctacc tgaagggtgt cgtcactgac gtcateccacg 120
atcctggccg tgcgcgcctc tcgctaaggt cgccttccgc caccogttcc gctacaagaa 180
gcagaacgag ctcttcatcg ccgccgaggg tctctacacc ggccagttca tctactgcgg 240
caagaaggcc accctcgttg t 261

<210> 23093
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700910078H1

<400> 23093

003360"EFFE960

gatttggAAC aaacaacaat agaggggttg tgggtgctctg tgtgctgcaa tttccttttg 60
agcttggtt tgattcatca aatcatcaaa gatgactgta ggggcaggaa tatctgttgc 120
agatgggaac ttatggtgtt ggggaacaaa gtgctgagcc atgtccatga caaggttctt 180
gttaccctg catgtggtgg tgctttgctc aatggggcat tcattggggt tcaatcccat 240
cacaagggtg gccgcac 257

<210> 23094
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700910079H1

<400> 23094

aatttaagtg aggagctaga gaatgatgat gaagtctgct atgtgtgcag tgggtggttgt 60
agcacttctt cttctggcgg aggtggggcc catggctgag gctgtgacat gcaccccaac 120
agagttgagt cctgtcttcc agcaatcact tccggtgcta aaccttccaa tgcttggtgc 180
acgaagctga agcagcaaaa accatgctta tgtggctacc tcaaaaacgc tagcttgaag 240
cagtatgtta actctcct 258

<210> 23095
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700910080H1

<400> 23095

agaatatttg tggcaaagca gaagtcctgt atcaagtggg atcataatac cttacaacac 60
ctccaggcag agtcctcaat cttgctgtca cctcacact tggttggccc ttgctcttgg 120
ctttaaatgt ttcggaaggc cttatgatag atttgcttgc gactatgacc catatgggtcc 180
catttactct gatcgtgaac gacttcaa atatatatca gatgcaggag tacttgagc 240
atgctatggc ctgttccgctc 260

<210> 23096
<211> 255

<212> DNA
<213> Glycine max

<223> Clone ID: 700910081H1

<400> 23096

gggacacgaa ccaaagggtg ttattctaac atcatgggtg tgcaccagcg ttatgtgctc 60
cgatttcctg agaacttgcc tcttgatgct ggtgctcctc tgctgtgtgc tgggataact 120
gtgtatagcc gatgaaatat tatgggatga cagagccagg caaacatttg ggagtggcag 180
ggcttggtgg gttagggtcat gttgcaatca aacttgctaa ggcgtttggg ctgaaagtta 240
ctgtcatcag tagct 255

<210> 23097
<211> 152
<212> DNA
<213> Glycine max.

<223> Clone ID: 700910082H1

<400> 23097

aatttctcca actcaaaact aagtttcgtc tttgtgatct cttgattata ttatatcgat 60
ttgtgaattg tttttccaca aaaaaaaaaat tctatcatac catggcttca ttatgccggc 120
ggttatcccg ccgctccggc cggttaacttc cg 152

<210> 23098
<211> 154
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700910083H1

<400> 23098

ctctgtacaa ttcttcgttc gttctctgca gttatatcct gtgtgagctt caatggcgga 60
cgctgaaacc ttcgctttcc aggctgagat caaccagctt ctaagtctca tcatcaacac 120
attctacagt caaggagata ancttgctg aact 154

<210> 23099
<211> 259
<212> DNA

[illegible]

<400> 23099

```
gtttgtggga acattatgga gccagatgc gtaatctccg catcgagggc cgaatcccaa 60
tcaatctcca aactctctcc ttccctcggt tctctctctc agtccctcgc ccgtccttcc 120
atctccaact tcccgtcgcc gccgtcgga ctcgcgcctc cggccgcata ttcgtgggcg 180
tgaacgtgga gttccccggc ctccccttcc accacaccat ccacgtcgaa cagttcctcc 240
tcaccaacat ggccaacaa                               259
```

<223> Clone ID: 700910086H1

<400> 23100

gtacttttac aatggagata tggaatagtt ggtggggtttt gcaaattatg caatttctgg	60
gttttttttag tttttggatt tcatttgcaa agtttaggac tttattctca agagcttttg	120
gttatggcca aggttgtgaa gggtgactgc agtacttggga tctttgtttc cttcaatggg	180
ttggtcacag ttggttcttt catattcttc ctcttggtcc tttcctgggc ttatttatac	240
gcatttccca gttctcaat	259

<223> Clone ID: 700910089H1

<400> 23101

ggttttttctc aagtaaata gactcacctt tgcgttttgg ggggtctatt attaggtttg 60
tatgtggggtt ttctcatgtg aatgagagtt acccacatct catggtgaag ttctcatgat 120
ttgtggacct tatctttttg tagtgaatat ataatatattt ttc 163

<210> 23102

<400> 23102

<210>	23103
<211>	245
<212>	DNA
<213>	Glycine max

<400>	23103
-------	-------

<210>	23104
<211>	262
<212>	DNA
<213>	Glycine max

<400> 23104

9628

<400> 23110

ggcaaatctc ataggtccaa gaatatctgt tgcattgcttt ttcagcgaag gtcttaaata 60
atcaccaaaa ccctatggac ctataaaaga attattgaca gaagacaatc ctcccaaata 120
cagagaaacc acagttcgga gtatgtacgg tatttcgaag cttaaaggctt tgatggaacc 180
tctgcacttc aacacttcaa gatttgagtt gaattgggtgt gtgggtttatt tagcacaata 240
aatgaataga ttagataagt tgga 264

<210> 23111

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700910025H1

<400> 23111

gattataaat ttataaata caaatagacc taggaaaaac atgcctggac atcttctccc 60
acctcatatg cattctatgc cacaatcacg ctccaagtt actcaagtgc agtctcatga 120
aatcaaatg aacctcatg caaacaacaa atatgctagg ctctgtagca acaatgcagc 180
agaataatat ggagggcatg cagcataatt ctctgtctgg tgtatctaca gtacaacaga 240
gtaagatgaa ttcaatgcaa ccaagtacc 269

<210> 23112

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700910027H1

<400> 23112

ggattttcct catggtttct taccctttca aaattcaggg aaatttgtga gtggcactct 60
caattgggct gcaaatcatt ctattggccc aagttccttc tgggttattg tttccttgga 120
tctgcataag gaaacattag ggaagttctg ccacctgatt atgaaaagga ggactgctcc 180
accctagtt tgggtgtttt acaaggatgc ctttgcatga attatgatta caagaaaacc 240
cattttgttg tgtggatgat gaag 264

<210> 23113
 <211> 259
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910029H1

 <400> 23113

 cacctcctca acctctgcag cgccttcgat ccagaaaaca tgactaagag aacaaagaag 60
 gctggcattg ttggaaaata cggtagccgt tatggcgcca gtctgcgtaa gcagattaag 120
 aagatggaag ttagtcacac agcaagtttt tctgtgaatt ttgtggaaag tatgctgtga 180
 agaggaaagc tgtgggaata tggggatgca aggactgtgg taaagtgaag gctggcggtg 240
 cttacacttt gaataccgc 259

<210> 23114
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910030H1

 <400> 23114

 gcttcaaatt ctgaggcttt tggtagcagc ccgcttgcta gtattatatt tttttttcct 60
 tttgaatttt caattttgtc tgtattcttt ccttgatata tgcttaagaa aaatccttat 120
 taccatcttt ttattttcta cacatgggga cggacaccgt atattgatata gagaatcaat 180
 ctagtacta ttgttctggt tggccttgca tacatatgtt cggataataa tcattaatga 240
 taaatgatac ctccagtttc gat 263

<210> 23115
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910031H1

 <400> 23115

 ggatttactg ggtaaaatat ttactgacct aaaaatactt gagcagttga ttaatgaaca 60
 tggaactgca gctaccacag caagtgttct ctcaaatact gtggatatac ccacttctgg 120
 gttgaagcct gctatccatc agttctggtg tctacacctt cacctgatgt gacagcttca 180

tggactacac ccacaagtgc agtggggttca ttaccttctg ggtttggggtt gaagccttca 240
aatccatcag tttctttatt g 261

<210> 23116
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700910035H1

<400> 23116

accgaatgag agcatcaaac tcttcttctt cgatttccat tgcgaacgtt actttttctt 60
cttctttctc ttcattttct tcgctcttcg atcttcgtcc ggggactgct ccgaatacca 120
ccaccacgac tgccgatggc cacgatcgga ggcttacacg actcccaagg ctctcaaaac 180
agcgtcgaaa ccgaagccct cgctcgattc gccgtagacg aacacaacaa gaagcagaat 240
tcgcttctgg agtttgctag g 261

<210> 23117
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700910036H1

<400> 23117

ttcgcattgc cttcgcttct cttacatacg tggcgggtggg atcacagtcc acatggcctg 60
ccatatatgc tacagtgatg ggaagcttga tactgctctc tgcgattggc tcgatgtgcc 120
attgtgtcat tttcacacgc tcgtggagac tacactgaga cccgagagtc tatcgttcgc 180
catgtctcat gcatcagtcc atgcgatttt gaagagtgc tacaacagag tgtgcgcgct 240
gcagtctgta gtgtagtt 258

<210> 23118
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700910037H1

<400> 23118

ccaatttata cctttatttc ccatctagt tagttttccg ggtatgtggg tggaaatgct 60
 agtgactagt ggttatcttg gtgggtgtgc tctagaatgt acattggcat tggtttttta 120
 gtacctaata ctatggatca caaatttgaa tttgggatgt actctgttct ccacccattt 180
 ctgggccgtc ttatgtctct cacgtgccat ttcaggtcct ttcaaggta atggagttcc 240
 tttgagacgt gtgaatca 258

<210> 23119
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910040H1

<400> 23119

gagacaatga tgaagccatc gatgctcaga tctctccact cctgcgccac ccgcggcgcc 60
 tctcatctct tccgccgtgg gtacgcctcc gagccgggtgc cggagcgcaa ggtagccgtt 120
 ctgcggcgccg ccggcgctctc gggcagcctc tctcactgct catgaagctc aatccccctcg 180
 tttcgagcct ctccctttac gatatcgccg gaactcccg cgtcgccgcc gatatcaccc 240
 acataaacac cagatctgag 260

<210> 23120
 <211> 167
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910041H1

<400> 23120

gtgttcttcc tctttaattt ctctatagaa tacttaccct tttctcaaga ctaacctctc 60
 gatccttctc aaaagaagaa aatttaaattg gcaactgaaa agcttagagg ttgtgcaaag 120
 ttttttgcaa gctctaacc c tacttggcca tgatctcttt accaatt 167

<210> 23121
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700910045H1

002220 23119

<223> Clone ID: 700910050H1

<400> 23124

gggaaagcaa gtaaacattc ccccgatact aatgcataat tatcccaaaa tcaaattata 60
aataactcca ttatctctca ctctttaa atctcaacgcc gctcccactt ctctccctct 120
ctattgcagc atgtgtcttc ctccaacac attctggta cgggtgggtgc cggtttcatt 180
ggcaccacaca ccgtcgttca gcttctcaaa gctgggttca gcgtttcaat aatcgacaat 240
ttcgataact ccgtcatgga 260

<210> 23125

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700910052H1

<400> 23125

cgccgcctca cctccctctc cgccccctc cggcaccggt cgagcaaggc ggcgggcgcg 60
gggtggacatg tgggtggaggt tgacatggcg gtagtagcag tggcgctgaa gcacttcgac 120
gacctaatac agccatcctc gtcaagaaga acacaccgga ctgggtcccc ttctgtcccc 180
ggctctcctt ctgggtccca ccgcgcctct ctccctccaa cgtcgccgac ctctgcccaca 240
agctctccta cgaggaccac cgc 263

<210> 23126

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700910053H1

<400> 23126

catttttcaa taacaagaga gagagagaga ggcgtagttc acttcacttc accactctcg 60
caactttaat tottcattct tcttctctct ctttgacaag tgtcaacaat tctctgtct 120
cgttccgtct ccgatccgt acgattttct ttgaggggtt gatcgcgccg atgtctgttt 180
accacgaaat cggaggctct tcatccatca tcggcttccg atcctgcttc accaaccgcg 240
ccaggcttcg ctgtcccgt aa 262

<210> 23127
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910054H1

 <400> 23127

 ggttggggaa gcgaaggaga ggatgtggag gctgaagata gcagaagggtg gaaatgaggc 60
 atacatatcc agcacaaca attttgttgg gaggcagaca tgggagtttg atcctgaagc 120
 agggactcca gaggacgagc ccaggttgaa gcagctcgta aggatttcta ccaccaccgc 180
 ttcaagggtca agccctgtgc tgacctcctt tggcgttttc agattctgag agaaaataac 240
 ttcagacaaa caatacctag tgtg 264

<210> 23128
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910055H1

 <400> 23128

 ccatgccacc gacactctca ctctcactct cactagtgtt ggtggtgctg tttttcgccg 60
 ccgtggacgc gcattttccg gcgaccggcg agcttccaac gttccgcgag gcgccggcat 120
 tccgcaacgg aaggaatgcc gcaaccgccc gcgaagcgac tccgtgatcc acatcgcgat 180
 gacgcttgac gcgacctacc tccgaggctc cgtcgccgga gtgttctccg tgctgcagca 240
 cgcgtcgtgt ccggagaacg tcg 263

<210> 23129
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910056H1

 <400> 23129

 agaagagaca gagaagtaaa caaacctag tgàaggaaga gatgattcgc agaatcatcg 60
 cagtgggtgag cagatcatatc tacacgagca ggtcgaagaa accgagcctg tactcgaaaa 120

[illegible]

<210>	23141
<211>	201
<212>	DNA
<213>	Glycine max

<400> 23141

<210>	23142
<211>	247
<212>	DNA
<213>	Glycine max

<400> 23142

<210>	23143
<211>	95
<212>	DNA
<213>	Glycine max

<400> 23143

9642

acacaacata cgattcctct naatggggat gtgct

95

<210> 23144
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700909993H1

<400> 23144

caaacaaacc agcagatggg aaacgtttta ttcgatccct tgggaaggag caacaagagc 60
ttgctgaaag agtgatggta actcgacttc acctttatgg taaatgggtc aagaaatgta 120
accatgctga gatatatcaa gaaatctctg atgaaaactt ggagttaatg agggaacggc 180
tcatggagac agtaatatgg cccacagatg acacaaacac agaaaagatt ggttgataat 240
tcatctcaaa tttt 254

<210> 23145
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700909994H1

<400> 23145

atccaaacgt cattaagatt cgcgaggagt tcccaccacg tagcaagcta gatacacaag 60
cctacggtga tcatacctgt ataataacaa aacaacattt ggaacctaac ttgggtgggc 120
tcaactgtga gcaggctatc cagtgcaga agctgttcat cttagatcac catgactatc 180
tcattccata ttgaggaaa ataaatgcaa ctaccacaaa gacttatgct accagaacca 240
tatttttctt gaaaagtgat g 261

<210> 23146
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700909995H1

<400> 23146

aattactaga gtattctttt aaattttgtc tgtgaaaaaa ggtctttttt ttttatgtat 60

ttctaacaaa aattgtctct gttttttaat aatctttgaa ctggccttat tgtttcagta 120
tatcaaatgt ctgaattgct tgattagctc ctggcgcgcca tggttcataa acaaattttg 180
agctttctgt ctccctgatt acattttggt tattecggcc agccttatgt caaatgtaaa 240
ggatgcctta gtgactagtt g 261

<210> 23147
<211> 255
<212> DNA
<213> Glycine max
<223> Clone ID: 700909996H1
<400> 23147

ggatgttaca aagaacttcc ttgttattgt tgctgagaat ggaaggctta aaaacataga 60
caccattgca aagagatttg cacagttgtc aatggcatat aagggagaag tgcaagcgac 120
tgtgaccact gttgttcctc ttccccctga agaggaaaag gcattgaagg agactcttca 180
ggaaataata ggttctggag cgaagggttca tcttgaacag aagattgatc caagcatact 240
tggtgggctt gtgct 255

<210> 23148
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 700910001H1
<400> 23148

gtttcgacca tcccctgttc cttttctggt gcttgttcct ctcttgtacg caaacccatc 60
accacgtttg ggtttgtgta ccacattcca taacataaacc ttgttgtcct caaattccag 120
ttgttggatt tgtacagaag gtgaaaatgt tttggtttag aaaaacacca gcaccaactg 180
aatcagataa gaagacaacc cttactgcag aaaaaagaac tgcttcagaa cctgtcctgc 240
cagttccaaa atctaaagga aact 264

<210> 23149
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700910003H1

<400> 23149

ctgcttttca aacattgctg tatgatccaa atgcaactct ggggtcagag tggcaaactt 60
gtgacataag gccatctggt ttgtgcttgt gttgtgtaac aatcaaggca tgaaaccttg 120
tcttatctgg atcttgaggt gatggataca tctatggaat tctctgcatt ttatcaagaa 180
tgaagacagc agtgagtgtg agtggttcctc acgatcacat catactatta tctgattata 240
attctgtgct ttagcttgtt t 261

<210> 23150

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700910006H1

<400> 23150

cagatcccg c tgtctagcgg aaacaaacaa aggcagaaaa tcatttcctc cttaaactctg 60
ttcctatattt cattttcatt tcaacttaac gttttcatgg gtattcgctt ttcgtcctcc 120
caggcggcgc cgtcggatcg tcgccggcgt cgagtttgtg cgaattgccc gagagtcgtg 180
tcgctcagat catgacctac atggatccgc cccagatttg caagctcgta accctcaatc 240
gggctt 246

<210> 23151

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700910008H1

<400> 23151

ccctcaccaa agaagaacca aaacaatggc ggatcaactc accgatgaac agatctccga 60
gttcaaggaa gccttcagct tgttcgataa ggacggcgat ggttgcatca caaccaagga 120
gcttggaact gttatgcttc attgggagca aaaccaact gaggcagaac tccaggacat 180
gatcaatgaa gtggatgctg atgggaatgg taccattgac ttccctgagt tcctaaacct 240
catggctagg acgatgaagg aactg 266

<210> 23152
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910010H1

 <400> 23152

 caagggaaat ctcaaagtgt ctgattttgg attaagtgca ttgcaaaagg tagcattggt 60
 cctttgaacc ttatcctcag ttccatcata agtattctct tactgagtca aatttgata 120
 cgttatcagc ataacgagtc ttaaacacgc ggtgtggatc cccaggctat gtggcacctg 180
 agctgctatt gagcaagggg tatgatggag cagctgctga tgtttgggtca tgtgggggtga 240
 tcctttttga attacttgca ggct 264

<210> 23153
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910011H1

 <400> 23153

 attccacaat actagcacc tcaccatgaa actcttccac tacctcttct cactactcac 60
 actactcttc ctctagcaag ccaagaagg agtttccatt agccctttgc aattgatcac 120
 acaccactt gaccctaac aaagcaagaa atcaccctcg tccaagccac agtcctaaag 180
 agatacccca caccaccaa ccatgtcttc ttccactacg tcggcctcgt agatcccgac 240
 aagaccacg tcctaaagtg ggcctcct 268

<210> 23154
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700910013H1

 <400> 23154

 cgtgtttacc caaggccaag ggaacagaga gcaacaattc tacctctggt tcgacccac 60
 cagaaacttc cacacttact ccatcatctg gaagcccaaa cacatgcata ttcttggtgg 120

<400> 23157

gaggcatgcc aagtgggtcg aattgcttga gcaattcccc tatgtgatca ggcacaaaaa 60
aggtttgcct cggcctaagg gaggaagga ctcgattttt gtggtggttg agaggttatc 120
taagatggct tactcatagc ctataagaag ataagtttgg gcagggttaa gcagaatatg 180
tcaagaagtt gcatgagaaa accaaggccc aaattgagaa g 221

<210> 23158

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700910020H1

<400> 23158

ctagtggcga tcggatccag ctacagcata gagatcaagg aaggaaggaa ggaagatgtt 60
gggtgttata aggcacaaga gtattcgccc tgccttctcc gcaatcagac acttgtcttc 120
tgcagctaaa gagtactgtc agggaggctc tgaactccgc actcgatgag gaaatgtcag 180
ctgatcctaa agtgttcttg atgggtgaag aggttgggga atatcagggt gcatacaaga 240
tatccaaggg gctgctcgac a 261

<210> 23159

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700909974H1

<400> 23159

cactcattgc cactgccatg gacctcacag agaaaaacat tgaacttctc ctccttgatc 60
tcaaaccaca catcgttttg ttcgattttt ccacatattg gctaccaaac ttggctcgta 120
gtgtaggaat aaagtctctt cagtactgga ttattagccc tgcaacagta ggttacatgg 180
catccccagc tagacaaaga gaagatgaca tgagaaaacc accttcaggg ttccctgatt 240
gttccatcaa gct 253

<210> 23160

<211> 259

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700909944H1
 <400> 23160
 gtcttgcaat tgaagttgaa gtcttgccct tctctcttca actccaaaca caagacatca 60
 tcatccatgg ctgcctccgt ctccactgtc ggagctgtca acagagctct tttgaacctg 120
 aatgggtctg gacctggggg ttcagctccc agttcatcct tctttgggag cagcttgaag 180
 aaggttattg gctcaagggt cccaacaca aagatttctt ctggaagctt caagattgtt 240
 gctgtagaag agaagaaag 259

<210> 23161
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909945H1
 <400> 23161
 gcggaattta catccaccac cactaacact aacagtaaca gcggtctcag gttgaaagcc 60
 aaagtagcca tagtcaccgg aggtgcaagt ggcatcggcg aacgacggcg cgtgtgttcg 120
 cggagcaagg cgcgcgatg gtggtgctcg cagacatcca agacgagctt gggaatcagg 180
 tggctgcgtc cattggaacc cagcggtgca cctacatcca ctgcgacgtg gcagacgaag 240
 aacaagttca aaacctcg 258

<210> 23162
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909946H1
 <400> 23162
 ctcaaataaa cctcaactca ttgtgtgacc aaagttatta ttacattgca taatcaacca 60
 tgtcaatgaa gttgtacgct tcccttacct ttgtggtgtg gcttttcatg gccacatcgt 120
 ccctagccca atacgttctc gacacaaacc gcgaacgcgt cgacagcgat gatgagtact 180
 acatccggcc agccataacg gacaacggag ggcgtttcac attgatcaac agaaacaggt 240

cgtgtccttt gtacgttg

258

<210> 23163
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700909947H1

<400> 23163

ccgagttctt gcactccttg gaccaattcc tcgttttgac attcattccc agaaaacttt 60
tccacacacc atattctttt catancaaaa ttccaatttt ccttcacaaa gaacacaaca 120
caaacatgta gactcgcacc tctgcctcaa tctctgcaac atggattcca tctttctctg 180
tcttttctta cattattggt atgctcgtca caagcaggat gtaggatcca acagaatcaa 240
acttggtgct tctttcgcac atca 264

<210> 23164
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700909948H1

<400> 23164

caccaattaa gctttcaaga gacaaactgt ttgaaaaat gggatccaag gttcttgcac 60
ccgttgccct tctcctctcc atcaacatcc ttttcatttc catgggttagc tccagcagcc 120
actacgatcc accgccccca ccttgctacg tccctgctcc tttaacacca ccaccatcat 180
tgtcaccacc accgtcattg tcaccaccac caccgtccag acctagtgtg ccggatctga 240
gtgtttgcct caatatttta gacggg 266

<210> 23165
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700909949H1

<400> 23165

atcgacgacc acaactccgc ggaggaccga acctacaagc tcggactgaa ccggttcgct 60
gatctcacca acgaggaata cagggccaag tacttgggaa ccaagatcga tcccaaccgg 120
aggctcggaa agaccccgag caaccgctac gctccacgtg tcggcgacaa attgcctgat 180
tccgttgatt ggaggaagga aggtgctgtt cctcctgtca aagaccaagg aggtgtggg 240
agctgttggg cattctcagc aat 263

<210> 23166
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700909951H1

<400> 23166

cacgcacacg cttgtataat tatgtgtgaa tcattctgtt tttttggctg gtaattgatt 60
tttgaaaaaa ggtagaggca atggaatgat acccgatttt tgtaacaaca tccggcatga 120
attaatttgc taaatgcggt gtcagtggga gcggtggggc gtggcagacc aaaatgatta 180
taatgattcg gtgggtggagg aatcactgac tgtgatgggc caactccatt ttctaccaaa 240
agtgcggttc ccagaccc 258

<210> 23167
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700909952H1

<400> 23167

caaaaagaaa gaatcccagg cgaggagaaa gatggagggg aaggagcagg atgtgtcgtt 60
gggagcgaac aagttccccg agagacagcc gattgggacg gcggtcgcag agccaagacg 120
acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180
catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
tcaccgtctt aa 252

<210> 23168
<211> 254
<212> DNA

<213> Glycine max
 <223> Clone ID: 700909953H1
 <400> 23168

caaaaaaacc ctctctttct ctctcttcca aaaccttaatt ttcatttttt ctcttcaaac 60
 aaattttcaa aatgcgtgag atccttcaca tccaggggtg ccaatgcggc aaccagatcg 120
 gcgccaagtt ctgggaggtg gtttgcgag acacgggacg gacccactg gaaggtagcg 180
 ttgggactca gagcttcagc tcgagaggat caatgtctac tacaacgaag ccatctacgg 240
 ccggttcgtg ccgc 254

<210> 23169
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909954H1
 <400> 23169

gagagaaaca aagcagcacc catttggatc ctctcttctc ttctttgatc tccgttacct 60
 tttttgtttt ctcaacagag agagagagag agaattcttc gaagttagtt tgcgtgtgtt 120
 gtgtggtagc tcaccgatgg cagcaccacc tgcgagggca cgtgccgatt acgattacct 180
 catcaagctt cttcttattg gcgatacggg gtgggaaaga gttgtctgct tttgcatgtt 240
 tctgatggtt cc 252

<210> 23170
 <211> 203
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909956H1
 <400> 23170

ctaaaatata taggcctaa tatgatttag cgtaagtgtt gttttttgtc actagtacaa 60
 tatgctatat tgatgatcga tttttgaaat ttttgcgata ttggtctcat tttgtaaaat 120
 atagtgatct taatctatct gttaatttgt caccatcac tcaatggaga tgttgacatg 180
 tacatatggt tggtaggtt gcg 203

253

<400> 23174

<400> 23175

<400> 23176

ctagtggcga tcggatccag ctacagcata gagatcaagg aaggcaggaa ggaagatgtt 60

gggtgttata aggcacaaga gtattcgccc tgccttctcc gcaatcagac acttgtcttc 120
 tgcagctaaa gagattactg tcagggagggc tctgaactcc gcactcgatg aggaaatgtc 180
 agctgacccct aaagtgttct tgatgggtga agaggttggg gaatatccag gtgcatacaa 240
 gatatccaag gggctgctcg ac 262

<210> 23177
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909966H1
 <400> 23177

ctcctactgc ctccccgcca cctccagctc caccggccgc ctctccttcg gcaccaccac 60
 cacttcctac gtcaagtaca ccccttctc caccatctcc cgcggtcct ccttctacgg 120
 cctcgacatc accggcatct ccgtggggcg cgccaaactc ccagtctcct cctccacctt 180
 ctccaccggc ggtgcaatca tcgactccgg caccgtgatc acccgctcgc cccccaccgc 240
 ctacaccgcc ctccgctcc 259

<210> 23178
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909967H1
 <400> 23178

gcttattatg ggatgagcac aaacctgggtg ctttatttta agaagcggct acatcagcat 60
 agtgctattg cttccaagaa tgtctctaata tggagtggaa cttgctatat cacaccattg 120
 gttggagcat ttttggctga ttcctacctt ggaagatatt ggacaattgc tgttttttca 180
 ataatttatg ctattggaat gacactggtg acattgtctg cgtcagttcc tggcataaaa 240
 ccaacatgtc atggac 256

<210> 23179
 <211> 254
 <212> DNA
 <213> Glycine max

[illegible]

gcggttttctg	cgtcatctcc	gattccccga	caatggccac	ccaaatgagc	aagaagagaa	60
agttcgtagc	tgatggagtg	ttcttcgctg	aactgaacga	ggttctgaca	agggagttag	120
ccgaggacgg	atactccggc	gtggaagtta	gggttacgcc	gatgcgcacc	gaaatcatca	180
tcagagccac	cagaacccaa	gccgttctcg	gtgagaaagg	aaggagaatc	agggaactta	240
cctcggtggt	tcag					254

<210>	23180
-------	-------

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700909970H1

<400> 23180

taataatcct gtttaattaa ctaaaggcta ggttcataac tcttcccttc accccaccaa	60
atcacccctt ttagtttctt ggtattcttc ttccacgtag gtttaatttt gaggacacaa	120
gagttttcaa agcatcattg gtggtggatt gaaagacttg gtgagtgaca tcgtacacat	180
gggaagacac tcttgttgct acaaacagaa gttacggaaa ggcctttggt ctccagagga	240
agacgagaag cttct	255

<210> 23181

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700909971H1

<400> 23181

ctgcaaagga	ttctaccgc	cgctcgatgg	gaattgcgct	tcaaggcgtc	tcgtagggct	60
aatccgcctc	acgaggggtca	ccaacggcac	gtgccttttg	ggggccgagg	ccccctactg	120
ctggtcggca	aacggacggc	gggcgcacgc	gtcgcttcta	gcccggattc	tgacttagag	180
gcgttcagtc	ataatccaac	gcacggtagc	ttcgcgccac	tggctgttca	accaagcgcg	240
atgaccaatt						250

<210> 23182
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909972H1

 <400> 23182

 gtcagttgct gaggagcgag ctggacggaa gctgggtgga cttaggggtcc tcaattctta 60
 ctgggtgaat gaggactcta cttataaata ctttgaggtg attctgggtgg atgtgggtca 120
 tgctgctatt agaaatgata ccagaatcaa ttggctcgcc aatccagtgc acaagcacag 180
 agagctgcgt gggctcacct ctgctgggaa aagcaacagg ggtttacgtg gcagaggaca 240
 tctgtac 247

<210> 23183
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909973H1

 <400> 23183

 cttttggttt cttctctcct tgataacagc atgtgctgga acatgggaag cctcatgagc 60
 gttcttctat aataaaggaa ttagcagaca agatagtga aatgagtcaa cagaagtttg 120
 cctccaatgt tgtggagaaa tgtttgacct ttggaggtcc ttctgaacgc caattactag 180
 tgagtcagat gcttggcacc acagatgaaa acgaacctct tcaggcgatg atgaaagatc 240
 aatttgcaaa tt 252

<210> 23184
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909943H1

 <400> 23184

 ggcttttgca atactcccca agtctccggt gcactgcgct tgaagcatgt gcacatcctt 60
 tctttgatga acttcgtgaa cctaagtctc gcttgccaaa tggctgtcca tttcccccctc 120

tattgaactt caaacaggaa tgatctggag catcttccga gcttgtaaat aagttgatac 180
 ctgaccatgt gaagcggcaa atggggatac agtttatgca tctgggagga tcgtgacgat 240
 acagcttacg ggacat 256

<210> 23185
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909903H1
 <400> 23185

gtgtacatag agagattagg ccaagtcgat gccacgaaga tgatgcaagt cacaaccatg 60
 gatcgctaca tcaaatacca cgtaaaggag tttgagagga catttgatgt taagtttgca 120
 gcttgttcaa ttgctgcaaa gaagcacata gatcaaagtt caactatcct ggacgtgcag 180
 ggagtggggc ttaaaagctt cagcaaacat gctagggaaac ttgttactcg ccttcagaag 240
 attgacggtg acaactatcc 260

<210> 23186
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909904H1
 <400> 23186

gttcgttgct actgcagtcg ccaccgacac cagagctgtg ggagaactcg cggaatcgc 60
 ggtgggagcg actgtgatgc tcaatatact catagcaggg ccagtatccg ggggctcaat 120
 gaaccagta agaacactag gtcctgctgt ggcggcaaac aactacaaag ccatatgggt 180
 ctatctagta gctccatac ttggagcttt agctggggca ggtacctaca ctgcagtga 240
 gctgcctgaa gaagatga 258

<210> 23187
 <211> 154
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909906H1

<400> 23187
 cgctctgtta ctgtctctgt gtttgcggct gaggattccg aacgagcgac cttcttcggt 60
 tctcgcaaag ttttaagtcac catgggtaag gaaaagactc acatcaacat tgtcgtcatt 120
 ggacatgtcg actctgggaa gtcaactaac actg 154

<210> 23188
 <211> 155
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909907H1

<400> 23188
 gtttttgtcg atagaagcca tcagtcattg ataggcttct atcatcgtct tcacccctt 60
 cttttacatt tctcactcga ttcgaatctg caactgcaag attcaatttc tctccgtcaa 120
 cacgttctca ctctcacttg aagcggctct cctca 155

<210> 23189
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909910H1

<400> 23189
 atttcaatac ccttgctggg acacgcgcca tatctccgtt cactgctcca ccaagcattg 60
 tacaggctat cactgcgcta tggacccttg atccacgtca tgatcggttc gaagcacgtg 120
 gtggttccgt cgtcggcgga gacggccaag cagatcctca aaacctcgga ggaggcattc 180
 tgcaaccgtc ccttaatgat agcgagcgag agcctaacct acggcgcggc ggactacttc 240
 ttcacccct acggc 255

<210> 23190
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909912H1

<400> 23190

0033E0"E.T.F.E.550

gcctctgctt ccgacacaaa tcaatctttc tgatcatata ttattctttt gtttttttaa 60
 tttattctcc atacacatgc agacactaag ttccaacaag ttcaggagcg gcatggattt 120
 cttccaccgc gcgaaggcgg tgcgcctccg cagccaccac gacaagtacc tcctcgcgga 180
 ggaggacgag gagtcggtga cgcaggaccg caacggctcc tccaaaagcg cacggtggac 240
 ggtagaatac gtggccgaat 260

<210> 23191
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909913H1
 <400> 23191

aatggaagtt ctatgttgcc ttttctatca tccgggcagc tccaattcct gcaggagtgt 60
 ataatagatg ggtaagggt aatgcatcgg gcggtgaacg tgctcgacac acagaagtac 120
 ttacaaatgg ccttatagat actgcgtgga aatttattga acacaaatct gtgcttcctc 180
 agcatccacc ctcagatgca aacgctcaag actattccaa agagttaccg aatgggactg 240
 atatcacagg tcctctc 257

<210> 23192
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909916H1
 <400> 23192

gagcaccaat tacgctttca cgagacaagc tgttttgaga aatgggatcc aaggttggtg 60
 catccgttgc ccttctcctc tccatcaaca tccttttcat ttccatggtt agtccagca 120
 gccactacga tccatcgccc ccaccttggt acgtccctgc tcctttaaca ccatcaccat 180
 cattgtcacc accaccgtca ttgtcactac caccatcgtc aggacctagt tgtccggatc 240
 tgagtgcctg cctcaatatt ttagacggg 269

<210> 23193
 <211> 262
 <212> DNA

002250-ET-56

<213> Glycine max
 <223> Clone ID: 700909917H1
 <400> 23193
 aaaggattct acccgccgct cgatgggaat tgcgcttcaa ggcgtctcgt agggctaata 60
 cgcctcacga gggtcaccaa cggcacgtgc ctttgggggg cggaggcccc ctactgctgg 120
 tcggcaaacg gacggcgggc gcacgcgtcg cttagaacct ggattctgac ttagaggcgt 180
 tcagtcataa tccaacgcac ggtagcttcg cgccactgac ttttcaacca agcgcgatga 240
 ccaattgtgc gaatcaacgg tt 262

<210> 23194
 <211> 138
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909919H1
 <400> 23194
 cacaggctgc gcagtgtatg aacgttgaag gagagcgtag aggcagtggc tggcaattga 60
 tgattgctct ttggagaatc gaatcgagtt aatttcggat cgtgtgagt tccgatctag 120
 aaatccacaa gatcaatg 138

<210> 23195
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909920H1
 <400> 23195
 ggcctggcag gagtactgc tgccacaact acttatccat tggatcttgt aagaacacgg 60
 ctggctgcac agacaaattt tacctactac agaggatatc ggcatgcttt acacacaatt 120
 agcaaggcag agggaatatt tggcctttat aagggaactg gaactacact cttgactgta 180
 gggccaagta tagctatcag cttctctgtg tatgaaaccg tgagatctta ttggcagtca 240
 aatagatcgg atg 253

<210> 23196

<211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909921H1

 <400> 23196

 atcgcgagcc gccgtccttt tttttttttt tttttttttt tggggcgtgt ttaaaagttt 60
 accccatttt ttccatgtga cttctttggg gttttttgta aattttgttg ttttggaat 120
 taagcccccc ctgggggttac cgtttgggga ttgtttccac tgtccaatgg ggggggattt 180
 ttggcaaagt tccaatttag ggggggacct ttaatgtcct atgccccgta attttgggac 240
 tt 242

<210> 23197
 <211> 154
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909922H1

 <400> 23197

 gccggaagga cggaggattt tctctctcag gtcggcctct ccacgctcca cagcgccgtc 60
 gcggttctca aatcctgcca aaagattctc ccttcgccg ccgaggtcaa cgtcgttgac 120
 cgctgcgttg aggtcatcag ctgcaaggct tgca 154

<210> 23198
 <211> 161
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909923H1

 <400> 23198

 ttggaatcca aaaatgagag acatcatcag cattcacata ggtcaggccg ggatccaggt 60
 tggcaactcc tgctgggaac tctactgcct ggaacatggc atccagcccc atggcatgat 120
 gccaaagtac tcctccttcg gtgtgagcct cagcagcct t 161

<210> 23199
 <211> 250
 <212> DNA

255

<400> 23202

<400> 23203

<400> 23204

9664

caaatggag gtggaaaact aagaactgtg agattccaag gtttgatgtc cgtggaatac 120
 tcgaacgact tcgtgggaaa aggggtggtt tcgtcggcga ttctttgagt aggacgcaat 180
 gggagtccat gatatgtttg ctaatgacag gagttgagga taagaagagt gtctatgaaa 240
 tcaaaggcaa caag 254

<210> 23211
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909902H1
 <400> 23211

cttgaccctt aaattcgtgc ccattccac aactgcacat tcttcttctt atatattcca 60
 aatccctttt ccgatttcca ccaaatcta aaccctaat cccaattacc ctcccaatt 120
 ttcacaaaa cctaatactc ccacaccaat ctctgatgtc ggacgccgat tcacaacctc 180
 aacaactcga agagagaaca gaggagcaag aactgaagta cctggaattc gtgcaattcg 240
 cgaccataca ggctctgatg cgct 264

<210> 23212
 <211> 154
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909942H1
 <400> 23212

cggtggcagc agtagcaaac gcacaccaca atcaaagaac aatttccact cgaagcaaag 60
 cgtatcagag atccaaactc agttctccaa ctctctgatc tcaacttcca ctccagcttc 120
 aagtcgcatg gccaacgacg attgctgcgc cacg 154

<210> 23213
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909851H1
 <400> 23213

gtgacaagag ctttgggtggg aacaggtggc caagacaaga gactttggct ttgttgaaga 60
 tacggtcgga tatggacgtg gcttttagag acgcaagtgt aaaggggtccc ttgtgggaag 120
 aggtttctag gaaactggca gagcttggct accacagaaa tgccaagaag tgcaaagaga 180
 agtttgagaa cgtttacaag taccacaaga gaaccaaaga aggtcgaagt gggaaatc 238

<210> 23214
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909853H1

<400> 23214

attcagaata acaataaagg gtggatgagg atccagaggt tcttggccac actggccata 60
 actgtctcca tactcttggg aaatggaaac cccgttcagt gcttcgacgg cggtagccac 120
 caaaaacagc aacacagttt gtgtgaagag ctcatatcc cctacggtta cccctgctcc 180
 gagcatacga ttcaaacgaa ggatgggttc ttgttaggtc ttcaacgtgt ctcttcttct 240

<210> 23215
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909854H1

<400> 23215

ccgcaacaga gagtagaaaa gatggcgagg ttgatcacag tgggtgtggtg cgcggtggcg 60
 gtgctactgt gcgccgaggc gggcgcgctg tgggtggagg aggcggcgaa cccgatacga 120
 atgggtggcg ggggtggagg ggaggtggtt cgggtgatag gggcgtgccg gcgcgcgctg 180
 aagtttgcta ggttcatgag caggttcggg aagagttacc gaagcgagga agagatg 237

<210> 23216
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909855H1

<400> 23216

0922040320

ctcccactct cgtatcatga ttctgttggt tctgctctcc ttgggcacag catcagaaga 60
aaagaagaca acatacatag tgcaagtcca gcaagaagcc aagccttcca ttttcccaac 120
gcacaggcac tgggtaccagt ctcccttgc ccttgccgac agc 163

<210> 23217
<211> 71
<212> DNA
<213> Glycine max
<223> Clone ID: 700909856H1
<400> 23217

ctgattgttt ttattcccca taaaaataac agtttattat attgttatta tgataaatac 60
aaaagaaaaa g 71

<210> 23218
<211> 235
<212> DNA
<213> Glycine max
<223> Clone ID: 700909858H1
<400> 23218

gtcgcgaaga gtgactggac gaatcatacc gacaagccct tgagactcgg cgactacatg 60
gcgccgcctc ccaagccagt gccatggaac gccgacctaa acaaaattaa tgaaatattt 120
gagagtgaga aaagtgggtgc tgtggctttg gagaaggatg gtgaggttga cgatttggtg 180
gtgagggagg aggtggagag ggcctcgggt taccgaaac tgggtggcgcc gccga 235

<210> 23219
<211> 234
<212> DNA
<213> Glycine max
<223> Clone ID: 700909859H1
<400> 23219

tttcgcgata ccaaacctc agcaatcaac aatgtcgttc ttctcaaggc gccgtcgcga 60
cgacgacacg gtggacgact acgacgagta cgaccccacc ccttacggcg gcggctacga 120
catcgccctc acctacggcc gccccatccc accctccgat gagacctgct accctctagg 180

agcctcttct tctgatgaca acttcgatta tgatcgccct caatacacct ctaa 234

<210> 23220
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700909861H1

<400> 23220

cagcaccagc cgaaagccaa gaaaaagctt tcgatccctg taactgcggt cgactattta 60
gggttttttc ggagacaatg gcggatgaat cggagcacac ggcggcgccg gctgccggcg 120
aatcgctgct cgacaagatc gccgagaaga ttcacggcca cgacgactct tcctcttctt 180
ccgattccga ttcggataaa aaggaatctt cgtcgattaa ggagaagggt ttccg 235

<210> 23221
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700909864H1

<400> 23221

cttcaatttg gaagaaatca ctcgaatttg atcgtacaag attcttagat gcaaaattgg 60
atttcagtgg caatgacttc aactatttcc cctttggatc tggaagaaga atttgtgcag 120
gaatagcaat ggctgagaag acggttttgc atttcttgc cacactcgta cacttatttg 180
attggacagt accccaagga gaaaagttag aggtatcaga gaaatttga attgttct 238

<210> 23222
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700909866H1

<400> 23222

ggagacaata aaaaaattga aagaagaaaa tgaagtgcac attcaggaag aggccatatt 60
aaaggagaca attaaaaatc tcaaagaaga aaatgataaa ctacttcaga aagtggtttc 120
cttggaaagag gtcacataa atttacaac tgataatgaa ttgcagatac aaaaacatac 180

0953113-032200

tcctaacgtg aagtacacag agactgagat tcagtcctgt tacaactatg aaaccactga 180
aattgttcac gagaacaaga atggcactta tcagtgggtt gtcaagccca aaactgt 237

<210> 23226
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700909873H1

<400> 23226

cttgcttcca atacatacct ggttggccat tctgttacct ttgctgctat cataacgacg 60
tgcaacttgt atttaggatt cagccagctc ttagttaaga gttcacctc cgagttccct 120
cacgtcgaga ggtacttttg gacattgggc aaccagccta acttccgaaa gatattaggt 180
caggttaagc atactgagtc tgttccaccc attccatccg ctgcaaagaa gcctt 235

<210> 23227
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700909874H1

<400> 23227

gagatcgctc caatgctcca ttggtgctta agggcatcac ttgtactttt aaagaaggta 60
gtagagtggg agtcgtagga aggactggaa gtggaaaaag tacactcata agtgctttgt 120
ttcgcttagt tgatccagca aaaggttata ttcttataga tgggattaac atatgctcaa 180
ttgggttgaa ggatttgaga atgacgctaa gcatcatccc tcaagaacca actctttt 238

<210> 23228
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700909876H1

<400> 23228

aaatcaatag ccatgaagat cgttcggaga gacctagtag ctaatggacc tggcagcggt 60
aagatggtgg cagtggattc ggatgatctc tggtttgctg ataacttgat agctccccga 120

09344-032200

gactctgtca tggccgttac tgtcaggaag gttctaagag aagctgctta tggcggacgg 180
gaagcagaac gcgtcaagct caaattggaa attaaagtcg aagagctttc tg 232

<210> 23229
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700909877H1

<400> 23229

gcagaagcct cctctgcctc gcaatcatcg gcattgtcgt cgccgccgtc ggaggtcagt 60
ctccagcggc ggctcccacc acttcctcgg catccccage cacagcccct tctaaaccta 120
aaccaaaatc acctgcgcca gttgcttctc ccacttcate tctccagct gcattcccca 180
atgctgcaac cgcaaccctt cccgtttcgt ctcccacggt agcatctctt ccgtc 235

<210> 23230
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700909878H1

<400> 23230

tttcaacccc atccaatcct cacatgcatg ctgtctctgc caaagtgcc agtcacataa 60
catttccatt gttaccattc tttctttcca tcacaaccac taaacaaacc tctgatctc 120
actttctctc acacaaaaac acactcacca tggatcatcg caaaccattg ctaccactt 180
cctctgatgc tgctcaattc cacacactcg caaggacctt cttctagtta ttg 234

<210> 23231
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700909880H1

<400> 23231

caagaactct ccaaggatcc tccttcccac gcaattcatt tgggtgggaaa atccaagaag 60
agggtggaat ttcaagccag ggaagatgga ttatttcaat gcaccaggaa gataccatct 120

ctttgttccg gggccggtta acatcccga ccagatcatt cgggccatga acagtaacaa 180
tgaggactac cgttctccag caattccagc tatgaccaa acactgcttg aggatgt 237

<210> 23232
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700909882H1

<400> 23232

gccataactc actcactcgc ttcttctctg ttctcaccaa tggcatcaac aatctcagca 60
atggccatga tcaacgcaa atgcgtcaac ccaaagttcc ccaatcccac caagctcga 120
ccatcaaaac cctcccttca gatcaacctt ccaaagggcc tcatagcctc acccgaaagc 180
actaaacttt cccccgcgac agcaatcgca ggagcaatat tcacaaccct cggaacctgc 240
g 241

<210> 23233
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700909883H1

<400> 23233

ggaaaaggcg tcttcataaa cgccgcccaa aacttctcat acccttttat tcattccatt 60
cgtttctagg gttttctttt ctttgccgag aaaatgagag agtgcatttc gatccacatt 120
ggccaggccg gtatccaggt tggaaacgcc tgctgggaac tctattgcct tgaacacggc 180
attcagcccc atggacagat gccgagtgac aagaccgttg gcggaggaga cgacgcc 237

<210> 23234
<211> 74
<212> DNA
<213> Glycine max

<223> Clone ID: 700909884H1

<400> 23234

tttcgttctg ttttggttc gtcgctgcaa ctctctacct tcccttttt toogaatctg 60

095313-03600

74

gagccttgaa	ccttgaacct	tgaatcttga	gccacgagcc	acctcagac	tcagtcacca	60
acaccgacca	acgcaacaat	ggcatcggcg	ttcgtcaagc	tcgacgattc	ccctatgttc	120
cagagacagt	tatatctctt	tgaagaaaca	actgatgagt	taacggatcg	gtgccaaaaa	180
ctatataaag	ggtgcaagaa	gtttatgaca	gctttggggg	aagcatatca	tggagaa	237

tttcgagacc	tcagcttgac	tatccattct	ggcaagacag	tggtcttgt	tggtgaaagt	60
ggaagtggaa	aatcgacagt	gattgccttg	ttgcaaagat	tttataatcc	tgattcaggc	120
caaatcacac	ttgatgggat	agaaattcgt	gagttacagc	tcaagtgggt	aaggccgcag	180
atgggtcttg	taagccaaga	gccagttttg	ttcaatgaaa	ctatacgtgc	caatat	236

caaaaaccccg taatgatgct gatgtttctc cttcactgct actagtagtg tagttagcgt 60
ggtctgcttg tgccgccttc gcttcttatt ttt 93

<210> 23238

<211> 231
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909891H1

 <400> 23238

 cggagacgca gtgcccgggc caatgcgcgt ggcccttcca gcagcccatt tacggccac 60
 agaaccgccc cttggctcgcg cccaacaacg acgtgggcct cgacggaatg gtcacaaacg 120
 tggctaccct attggctggg accgttacca accctttcgg gaatggctac ttccaaggac 180
 ccaaagaggc tccgctcgaa gccgcttcg cttgcaccgg tgtgtacgga a 231

<210> 23239
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909850H1

 <400> 23239

 atcaacaagg agaagctggt ttcgttcgtc gccactaaca ctaatcggtt cttcaatgcc 60
 ttacgagaag gaactcgccg ctgcaaagaa agcagtcact ctcgctgctc gtctctgcc 120
 gaaagttcag aaggctcttc tgcaatccga tgtgcactca aagtcagaca aaagtcctgt 180
 cacagtggct gattatgggt cacaagcatt ggtcagcttt atacttgaga gagaacttcc 240
 tt 242

<210> 23240
 <211> 229
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909894H1

 <400> 23240

 caacttgaag ctagaagaga aatttgattg ctggaagtta cctacttcct agattattct 60
 ttatacaaca tgtactgtaa acgcctgaga aattgtgggt ttgtaagttg ttttatctgt 120
 gaaattaata ggctaaatgt agatctgtat aaagagtttt gtgatcttgt acagtagagg 180
 tatatatgat gtaaaagtgg aatgaaatga atgtatcttt cccacgcct 229

<210> 23241
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909895H1

 <400> 23241

 cttcccttct ccatcatgcc aaacgacagc gttctgagtc ttttctcctt cgttaccctc 60
 ttcacatgcc ttctctctgc taattccac gatgaccata ttttctacc gagtcaactc 120
 catgacgatg actcagtgag ttgcactgct accgacccaa accttaacta caagccggtg 180
 atcggaatcc tgaccacccc cggcgacggt gcctctggcc ggctcagcaa cgccaccggg 240
 g 241

<210> 23242
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909806H1

 <400> 23242

 taaacatatt acaacttctt cttcttcttc cattgaccat tggtgtgtgt gttgcttttg 60
 ttcgttctcg ccatgccaat gttgtcttcg agaggcttca tcgcttatct cgtatctgct 120
 ttctcttggtg ctgttctgtc tgcgcttttt ctcaccaacc acatccatca tgatgataac 180
 aagccaatta ctttggttagc ctctcgtgtg tctgaaactc ttaaagtttg gccagacttg 240
 g 241

<210> 23243
 <211> 230
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909807H1

 <400> 23243

 aggctcataa atctttttta tgggtttcag ggctcactact actctgtctc tgctctccct 60
 gttttggctc ttgtccctgc accaagcaag agctgcaaag ttccacaatg tgagtggctc 120

gagagggaaa aagccagttg tagcaaatgg gtgcaatttg ttcttgggaa gttgggtggt 180
 tgacacgtct tctctctct atgactcttc aacatgcccc ttcattgate 230

<210> 23244
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909808H1

<400> 23244

aattgactcg gggtaggttt cctcagcgat ggcggaagag gtgactcggg tgatggtggc 60
 agtgaacgag tcgagcatga agggataccc tcatccttcg atcagcagca aaggggcttt 120
 cgaatggacc atcaacaaga tcgttcgcaa caacgtctct gccttcaacc ttctttttct 180
 tcacgttcaa gtccccgatg aagatgggtt tcatgacatg gatagtatct acgcatcgcc 240
 t 241

<210> 23245
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909809H1

<400> 23245

actcattctc catacctcaa cgaagatggt aaagagacgg caacactttg ctgtccgcct 60
 tgaccgagca gagcttcgtc atggccctcg attttgccct aaagtactct cagtcacaac 120
 agacaccgtc gtcgtcgtcg tcgtcatcaa tggcaccgaa gcagaccaag gctgagaaga 180
 agatcgctta cgatgcgaac tgtgcgacct aatggaggag tacggccaga tctcgttg 239

<210> 23246
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909810H1

<400> 23246

acttacttga agttgtgcta ttcaatccca aagccacaga aataatatta ttcagatttt 60

095413-03200

<400> 23255
 gtttgtgttc gacagaacag gaacctcaaa cctttgtgtc gagaatctta gccatgggta 60
 gcaacggttt gaggtacgaa atcgctcaaa ccgcttacat caaattcatc cttcactccc 120
 tcaaacaccc aacctccgcc gtcaacggcg tcttgatcgg tcgcatctcc gcttccaacg 180
 acgtcgtcga gatcgccgat gccgtccctc tcttccactc tcacatccct cttcttcccc 240

<210> 23256
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909826H1

<400> 23256
 aaaatataga acacactacc ctcaacatag taaagcagct ggtgcaagtg aagcaatggc 60
 tcaaaccatg ttgctcatgt ctagtgtctc tagcagttat tccgtggatt tgaagaaaga 120
 ccttttcttc caattgcaga gtcaaagttt aaggcctaag ttctctcaac tctcattcaa 180
 cccacttcca ccatcaactt cttccgtttc ttcaccccgt acattcacaa ccttggtc 238

<210> 23257
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909827H1

<400> 23257
 cctttatctc gggacttcta agaagctctc cctctccaga aatggcatat gctccaagtg 60
 cactggtaag ggttctaagt ctggtgcttc gatgaagtgt gctggttgtc aaggaactgg 120
 tatgaagggt tctataagac atcttgccc gtccatgatt cagcagatgc agcatgcttg 180
 caatgaatgc aagggtactg gagaaacat caacgacaga gatcgtgcc cacagt 236

<210> 23258
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909829H1

095411-03200

<400> 23264
 gttttctcgc gattgcccag aacgaatatt tcttttcccc cegtttcttc tttccaaaga 60
 ctgtaagaat gatttaatgt gttgtgtgta taaatcgata caaacaatac tgatcccaga 120
 ttaatccaac gacgaccatc aaatctcacc atccaaaccc taatctgaaa ccatcgttcc 180
 ttctatttca ctctctacaa cctccaaatt cegatctcat attcctctcc tcgct 235

<210> 23265
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909844H1

<400> 23265
 cttggtcctt tctctaattcc aaatatctct cegttaatgc tctcaccaca aacttcaata 60
 gactagccaa aagctaaccac caactatagg ccaaatacacc aataaatatt atttaccgt 120
 ctctttatgt gcgtgtatgg ccacccactg aacacatttg cactcacaca tagatactca 180
 gagaggccat tggttggttt cagagatggg cagcatgcac ataggaaccc cagatact 238

<210> 23266
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909805H1

<400> 23266
 aaagttacaa atttaaataga agtgcttata tctcttatta gtactattgt atgtagaatt 60
 gttttgggga gaaggatga agaggaggga tctgaaggta gcagattcca taagttgttc 120
 aatgagtgtg aagctatggt gggttaacttc tttgtttcag aatatattcc tttcatgggt 180
 tggattgata aactcagggg actggatgca cgtcttgaac gcaatttcaa ggagatggat 240
 a 241

<210> 23267
 <211> 236
 <212> DNA
 <213> Glycine max

<213> Glycine max

<223> Clone ID: 700909763H1

<400> 23270

agaaactctt aggcatacg aaatgacaa ccaccttcgc gaccgtcgca ggactcgggtg 60
gtgcatcaact gtcattccacc tcattctcgtc tcacctcagg gtttgtgaaa tcgccagtga 120
gtgctaggaa tcccttgagg caagctgtgg caatgggaaa tgggaggggtt acatgcttcg 180
agaggaattg gctgcgggca gattacagtg tgattgggtt tgggttgatt ggttggctag 240
caccc 245

<210> 23271

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700909765H1

<400> 23271

atctcattca cacattcaca gttcttatct ctctctcttt gtcgcttgga tcaactgatct 60
catcacaact ttcagaaatg tcgacatctg ataagccaga agtggtggaa aggggtagca 120
aggatgaaaa acacaaggaa gatgatcaag aggaggggaa ggggtggattc attgagaagg 180
tgaaggattt cattcatgac attggtgaga agattgagga agctattggg tttgggaagc 240
caactgctga cgt 253

<210> 23272

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700909766H1

<400> 23272

ctttgacagg gagtgggtct gggagtagga atagtagtgg aattggggac tctcacatca 60
ttgaagctgg aaatctaagg atatcagttc aggttctgag gaaagtgacc gagaactttg 120
cgctgagaa tgagcttggc cgtgggtgat ttggggttgt ttataagggg gagttggatg 180
atggtactaa aattgcagtg aaacgaatgg aagcaggtgt gattagtagt aaggccttgg 240

atgaatt

247

<210> 23273
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700909767H1

<400> 23273

gctcttcttc cctttctcac agcaatggcc gccgcagcac gccctctcgt caccgtgcag 60
gccctcgacg gtgacatggc aaccgatgcc tccgccaccg ttcccatccc tgacgtcatg 120
aaggcctcta tccgccccga catcgtcaat ttcgtacact cgaacatctc caagaacagc 180
cgccagccat acgccgtcag tcgtcgcgct ggtcaccaga cctccgccga atcctggggg 240
accggccgag c 251

<210> 23274
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700909770H1

<400> 23274

aggccatagt gaagtcggag aaattagcat aagattttca caagaaatag actcatcaaa 60
tgtgcaggaa agtcatcta tgagctctgc actggacgaa gcctcacttg aagcaactag 120
ctttcgccaa ctgcaacagg tcatggatca gttggatatt agaactaaac tatgcataag 180
ggacagtcta taccgcttgg ctaaaagtgc tgagcaaaga cataatgata ccaatgcaag 240
tggtca 246

<210> 23275
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700909771H1

<400> 23275

cttcaacact aaattagaga cgaccactt tccttgcaga tctttttcca gggaaaagtt 60

tggatttttt gatcgttttg tgataagagt tagatgttga gtgatagacg gaaaagtga 120
 ggtgggggttg gattatatgg atagtctttg ttgcttcagc tctttcagtc aggtgggttg 180
 agggcggttct tcatgtaact ctggcaaagg caagagcagt cagtcctcag tcaagtatgg 240
 ctatag 246

<210> 23276
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909773H1
 <400> 23276

atttcttttc ccttttttct ctttgctgac taactcaatc aatttagtgt ggcttcgggg 60
 aacaattcag gaatcatggc tagggtttta gctcagtcta ctggtatgcc tggcctactg 120
 agtggggcgaa ggcattgggccc gcataaagga tcaggagaaa cgaaaagatc tgttaaaatg 180
 atgagtacct tacgaattcc tgctttaaga atgtctagtt tctctggatt acggacactt 240
 aat 243

<210> 23277
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909774H1
 <400> 23277

taaccttttc tctccggtta ccagaaccgt aagttgctga acatgaaccc gcaatcgccg 60
 gttcggggcgg aaccggagcc tccggttccg acgttctccc cacgggttcgc gctcacgtcc 120
 ggttcgcagc ggaaaatcgc gatcgcggtc gatctgagcg acgaaagcgc ctacgcggtg 180
 cgctggggcgg tgcagaacta cctgcgcccg ggcgacgccg tgatcctcct gcacgtgcgt 240
 ccca 244

<210> 23278
 <211> 244
 <212> DNA
 <213> Glycine max

<400> 23289
gtttatttga acaactgaaa aaacaacact cttcaagcaa agagaagtag taatattttt 60
cagacacgta tgtgaaaaga agaagttact tgtcgatctc agcaaaattg gttattttta 120
tgaatttata tgctagtaag ttagtcacaa tattcaaagt gtctgtttat ttttatgttc 180
atcaataatg tatatgtcaa gtcaaactta tgtgtcatct atcatgtttg aattcatccg 240
aaa 243

<210> 23290
<211> 119
<212> DNA
<213> Glycine max

<223> Clone ID: 700909793H1

<400> 23290
ctcacacaca gatctctcta tctatcggtc attgtcgttt caatctcaaa cgccatggcg 60
ttttggagat cctcgcggtt ctctgcgac cttctctcgc tcttcatcca tggcgctct 119

<210> 23291
<211> 219
<212> DNA
<213> Glycine max

<223> Clone ID: 700909794H1

<400> 23291
gtttgtggga acattatgga gccagattc gtaatctccg catcgaggc cgaatcccaa 60
tcaatctcca aactcctccc ttccctcggt tctctttctc agtccctcgc ccgtccttcc 120
atctccaact ttcccgctgc cgcgctcgga ctgcgcgcct ccggccgcat ctctgtgggc 180
gtgaacgtgg agttccccgg cctccccttc cacacaaca 219

<210> 23292
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700909795H1

<400> 23292

attggagcta gcctgacatg ccttggttagc caacgaaggt gggtcggttg gtaagaatac 60
 gatcaaaaca cttgtgtaaa catggcttaa ggggataagt tcttttggtt ttcagatgtg 120
 gaatttgcta gggagacttt ggcattgtgc aacctatata gcatccaatt ggtaaggaa 180
 tggcctttaa caagtaaact agaccgcaa atctatggtc cacaggaatc aacaa 235

<210> 23293
 <211> 79
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909802H1
 <400> 23293

gggttttggt gttgctgtca atggatttga gatggatgac gggatttgag ccaacaataa 60
 aaatatgatt ccgttggtg 79

<210> 23294
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909758H1
 <400> 23294

cacaatttca catttcattc atattcatta cttcatggtc cttcaacaag ctcttaatt 60
 tcattctctc cttccacctt ttctcacgc atcacggtta cttttgtttc tgtcttagtg 120
 tgccgtgtcc caatacatc ataatagaac aacaaacaca cacacataac tctctctctc 180
 tgctgaggta attactgaaa tccgtgcctg cttccacctt ttgccaag tttgcaaatt 240
 tttctct 247

<210> 23295
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909804H1
 <400> 23295

cccaattctt cccctccac ccaccagca tatctctcta ttctattta ttagcacc 60

0953113-03600

tcacattacc ttgtgtcacc aactactttg actcctttac cataccatta caataattat 120
 caaacctaac cagtaaaaat ggtgaccgtg gaggaatcc gcaacgctca gcgttcccat 180
 ggaccgcga ccatcttggc cttcggcacc gccacgccgt ccaactgctg ctccaagcc 240
 gat 243

<210> 23296
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909713H1
 <400> 23296

gaactagtag ctttctttta aaattaaaat tagaatcatt atcgtttata acactccaac 60
 aacgcctttc gctcttacca cctcgcggg tcattttctt gggaaaactc gtttccacca 120
 agaaaatcga tttccctgga aacaaacact cgcgaatctc cgatgcgact cgtttcactt 180
 taattcgatg atgatcgcca ctatatgccg ccctgtgcgt tccccgtggg aggaaccaat 240
 ggatcgctgc ttccgat 257

<210> 23297
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909714H1
 <400> 23297

tgcagatcga acgcaccaa agaaaccctg ctactgccac cgcgctagct agggtttcat 60
 tccacccact cccaacaatc tccaataga atgctgaaag agaattgctg attatcgctt 120
 cactcaactc taccaaatcg catcactgac caatctggtg gagccgattc cacagtagat 180
 gacattagac cgtgcttgcg gacaaagcct cttcttcttc tgctctctct gctacttcca 240
 cacaaca 247

<210> 23298
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909716H1

<400> 23298

cgaagagaga gcaaaatcat tcgcttcctt cttgtatgat aatgcaaaat ctctggctgc 60
tgccaatggc tattcacttt tccaaggact tgctgggaca gcatgcctct gggttgatct 120
gcttgacccc gacaactcta gggtcccagg ttatgaatta tagatgggta aagtagagat 180
gggtacttatt ctacaagcag aaggaacgtg gcatggatgg aaaatggttag gtagaacacc 240
aatcataagt gata 254

<210> 23299

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700909721H1

<400> 23299

ctctctcttc ctttttggtc acctgccaca ttacaacaa cccctcttc ttctttatca 60
acttttcttc agaactctct tagttttagc tgctcccaat cgtttgacc aaaagccatt 120
aaccctttt gcagaaaagc acgattttgc tctctacaag ggtcaacgag tgtgaaaagc 180
agaaaaagct tgggtgcttg taccatcaac atgactatag caacggatag ttgtttgcag 240
gtggtggagg aggaagagg 259

<210> 23300

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700909722H1

<400> 23300

tttctctatt ttgtagtatt tggcacatag tgcatagttt gtgccattaa ttaaccaagg 60
aaaaacgcca ctttttggtc cttctgttg ttccaactgt gcatttggtg gctgtttctt 120
ccacacacac gcagcctacc agccacaatg agaacgggga acctctctg gcttggcatt 180
gttgacgac ttgttttcag cttctgggtt gatgcctttt cagccaacca ttattacccc 240
caccaccact tcaat 255

catgaacatt aaacttcacg cggagctcat gctaacggat aataagacca tagatgcacg 180
 tgggtgccaat gtgcacatta gtgaggggtgc ccaaataacg ttgcaatatg tgaaaaaacat 240
 catcattcac ggt 253

<210> 23304
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909730H1

<400> 23304

gaatgagagc atcaaactct tcttcttcga tttccattgc gaacgttact ttttcttctt 60
 ctttctcttc attttcttcg ctcttcgac ttcgtccggg gactgctccg aataccacca 120
 ccaccactcg ccgatggcca cgatcggagg cttacacgac tccaaggct ctcaaaacag 180
 cgtcgaaacc gaagccctcg ctcgattcgc cgtagacgaa cacaacaaga agcagaattc 240
 gcttctggag tt 252

<210> 23305
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909732H1

<400> 23305

cacccccatt tgcaacgagt caccaaaatc gaattctgca atcgacccat ttcaattcat 60
 ctatccaaat cgcataacc acccttcaat ttcgcttct gattgcttcc tccccattt 120
 caaagttagg gttcgtctc tgggtggcgca acaatgccg agatcgacca ggcggcggcg 180
 gcggcgagg aaaccgccct gttcggaaaa tacgagctgg gccgcgtcct cggctgcggt 240
 gccttcgcca a 251

<210> 23306
 <211> 98
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909733H1

<400> 23309
gaataaatct ttcctctgct ttctttttct tgtgtctccc tacacagttg gaagtagaag 60
gcagtgatct gacatggatg cggagaatgg cgaagagaga aaacatcatg aggcaagcac 120
gtcagagaat agtgcagaaa caagcacgaa tggggagaag agagaaaagg gcaaacaaaa 180
ggaaaagcca gagacagttc catttcacaa gctgtcagct tttgcagact cactgacat 240
tcttttgatg gct 253

<210> 23310
<211> 252
<212> DNA
<213> Glycine max
<223> Clone ID: 700909740H1

<400> 23310
gaatcttctc ctctgaagg agtttgttcc aacacggtgg aaaaccacct ggtccagacc 60
aatttgtctg atgggtcacc caacaagtct gtgccagcat ctggacttga tgcagtgatt 120
cctagtgcaa atcagcttac catcttctat aatgggagtg tttgtgtcta tgatggaatc 180
cctgcagaga aggtgcatga aataatgctt attgctgctg ctgctgcaa gtccactgaa 240
atgaagaaga tt 252

<210> 23311
<211> 249
<212> DNA
<213> Glycine max
<223> Clone ID: 700909741H1

<400> 23311
aaaagctata gctttgcaaa atattgggca aataaccaga gaaaatgatg gaagctacat 60
acccatggta ggggaaataa ggggtaattt gggaaaggac tataagaaat aaaaggaata 120
aaataaatct aagcctttaa tttagaagta aaataaaatc tggcagtcca aatacacttt 180
cccattatgg gatataacc tttcccatgc tagcogtcgc tatgttccca ttgttctatt 240
ccacacaac 249

<210> 23312

<211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909742H1

 <400> 23312

 gtgaaagaga atccgaggcg aagagaagag aaaaattaag atggagggga aggagcagga 60
 tgtgtcgctg ggagcgaaca agttcccga gagacagccg attgggacgg cggcgagag 120
 ccaagacgac ggcaaggact accaggagcc ggcgccggcg ccactgggtg acccgacgga 180
 gtttacgtca tggtcctttt acagagcagg gatagcagag tttgtggcca cttttctgtt 240
 tctatacatc 250

<210> 23313
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909743H1

 <400> 23313

 agagagtggg ttcagtgagt gatcgggtgtt cacttgatcc ttcataagtc gtcatcatca 60
 tcatcatcat caccgttgat tgaagaagat gccgatcaga aacatcgcca tcggaaggcc 120
 tgaagaggct actcaccgac acacgttgaa ggcgggggtg gctgagttca tctccacact 180
 tgatcttcgt gttcgccggt tcagggttccg gcacgccta caacaagctc accgacaacg 240
 gcgccgccac tc 252

<210> 23314
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909745H1

 <400> 23314

 ccgagcttac tggagtatgc atgagacttg aagatgaaag tgatgcaaaa agcttggaga 60
 ttaaacagat gacagaaaga gtctgtctac tggaaagtga aattggagga ctgaaagggc 120
 agttatctgc atataatcta gtcattagtt cattgaaaga ggattttgct tctttagaac 180

acactgccct agttcggata aacaaaatgc ctgttgaatg caatcaagaa caaaaggatg 240
cagtaattga 250

<210> 23315
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700909746H1

<400> 23315

gagcgagaag tttgtttcgg gcttgatcca gtggggcgca tatcagccaa tgatagtgtt 60
tttccgacca aaaagaaacc cctgacgaaa ttactcctct tcgaaaatac tacgaaaatc 120
gaaaatcaat cgtagaccac ttctcaaaca caagagacac caccgatgat gatgatgatg 180
atattaaagc aacatcacca ggagtaagag agagcaaagg tggctccttt tcatgtgagt 240
tttgagtgat 250

<210> 23316
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700909748H1

<400> 23316

ctgcaaatag ctctgatgcg tgctccaatg gtgccttcgt accttcagag acgaacaacc 60
ataatagtgg tggaaattct aaaacatctt ttatggacaa tgatcaagat actgtagcac 120
cttctgtgag cacaggcttc ctggagctct ccaggcaaca tgatttttgt attgatactg 180
cagttggcat taattcaaata ggggatgttc atggcttatg ttcagggtta tcatctatta 240
gcattaat 248

<210> 23317
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700909750H1

<400> 23317

002222-ETFE560

caagatctgg tcttcttatg atgcgtgcgt gtttgtttct actttaaatg tttgaaattc 60
atgtaagcct agatagacgc atctctgtaa tcgatatatt tttttttccc tttcatttta 120
ctgtgtgggtg taaattgggtt gtttaattctg ttaagggatg agagcttttg ttttttttct 180
ggtaaaattg acgaatccgg tgtattttctc tgacttttat ttgatagctt gagacttaaa 240
gtactcg 247

<210> 23318
<211> 253
<212> DNA
<213> Glycine max
<223> Clone ID: 700909753H1
<400> 23318

ctcgagccgt ttcccaattt cgcgatacca aaacctcagc aatcaacaat gtcgttttac 60
ccaagggggc gtcgcgacga cgacacgggtg gacgactacg acgagtacga cccaccccct 120
tacggcgggc gctacgacat cgccctcacc tacggccgcc ccatcccacc ctccgatgag 180
acctgctacc ctctaggagc ctctttttct gatgacaact tcgattatga tcgccctcaa 240
tacacctcta acg 253

<210> 23319
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: 700909755H1
<400> 23319

aatcgatcga ggcagatcag aattgagggc ttagaaatca ggattcagaa tgggtcagac 60
tgaaagcgca gaagctgtga cggaaactca aaccacaacc aacgacactt ccaatcccat 120
ttccctggaa tccgtcctcg cagaagctgc agaatatgga agccaacaca ctgagtctgt 180
ggaggaaatg gctcagaaag cccttgaatg cccttgcatt gctgacttgc gaaccgggtc 240
ctgtggctct 250

<210> 23320
<211> 248
<212> DNA

002360"CTT560

<213> Glycine max

<223> Clone ID: 700909757H1

<400> 23320

gtgcagtaac tccaaatgct tatctgcaat tggatcttga gttggtctcg tggagaccg 60
tgtctgacat taccaaggat agaaagggtc tcaagaagac tttgaaggaa ggggagggat 120
atgaacgacc aaatgatgga gctgtagttc aagtgaact gattggcaag ttgcaagatg 180
gaactgtttt cgtaagaag ggctacgttg atgaacagcc atttgagttc aaaattgatg 240
aagagcaa 248

<210> 23321

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700909712H1

<400> 23321

ccatagtgac gaacctcatg ttcttgacta cagtaaatat cctggtctgg aggagcgtca 60
aaggtttggt tataattatt tgagttctga aggttagtcc actaaaatct tactcccaca 120
taccactgaa aatacatatt attggcagag atctggattt aggtaactgc tattgatcta 180
ttctcagctg aaagaataaa cttgctctac aatttggttg atttgtgata tcaactccagc 240
ttatattttt agt 253

<210> 23322

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700909668H1

<400> 23322

tctgtctcac ctcaattgct ttattagggg ttagtgagat agtggcgggg tagtgacatt 60
acagtgtggg cataaaattt tcaaagtcga agcgagaact tgccatttcg agggtttttag 120
ggttaggggt ttctcaaatt gcaagaacat gggtttcaac agtcaaccct atgggattca 180
gtccatgctc aaggaaggcc ataagcacct ttctggcctc gatgaagcgg gtctcaagaa 240

catcgacg

248

<210> 23323
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700909670H1

<400> 23323

tgtgaattgg aggatgtcaa cgttgaaagt gtcaaagaag ttgatgcagt cagcacaagc 60
gaacacccta ctgtggtggt agctggttca caagaatgtg tgattctaca ctaacaaggc 120
tctaaaatta tgaacaaatt cagcaaattcc gtagtgcttt aagaataatt gctgaattgt 180
gtcaccgttt aagtcacata gtattgtgct gtgcttgagc ctttaaggctc tgtgttgtat 240
gtatt 245

<210> 23324
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700909671H1

<400> 23324

ccccaccatc acgtttctct tctacgtctc cggcgagaac ggcgccgtcg agagattctc 60
cagctaccgc gacaaggcca acgtcggcgc cgactccttc acctcgtacg ccaaagccgc 120
caacgccgca gacctcgat tctogaacta cggcaagtcc ttcaacgagg gaaccggcac 180
gttcaccacg tacgctaaat cctcggtatg cgaaacaaaa gtagggttca cttccgacgg 240
cgt 243

<210> 23325
<211> 220
<212> DNA
<213> Glycine max

<223> Clone ID: 700909673H1

<400> 23325

agagtctctt ttcttttccc cctcaacact cacttgccgt tggccacgtg ttgcacacct 60

ccaagaccaa aacgacgcgt ttttgaaacc gctctttgac tctatccac ggttccacat 120
aacatcgag acgcgttccg tcgaatcgcg aattcgaagg atatcgatat tatcgtgcta 180
cacgagattt tgaaaagaca tgaaaatgtc tatggttgat 220

<210> 23326
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700909674H1

<400> 23326

atttgacaaa aaagtagcca ctgccccaac gatcccatTT cccttgactt ctctacgtga 60
agctccttgt tttgcatagg agctagtga aatgtccgag ggaaatgcag ggaaaggaaa 120
gaaaatcgcc atcattgggtg tctcaacctt attgttgggtg gctatgggtg tggcggtcac 180
aattgggggtc aatctcaatg agaatgggtc caacaatgat atagatgaca acaaga 236

<210> 23327
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700909675H1

<400> 23327

tcttcactgt tctctctctg agcaaagccg aggatccctc atagtattgg caggtcaaT 60
attggctaT gtcggatggg gcattcatcg atgtacaagc gcactccttc gagagataT 120
tcaaacatgg aggacgtgga agaaaactca gatcttgtag acatcggcct ggacaaggga 180
accacaaatc cttcattgat cgcttcttta ccgcatgtac ttatggcgac cattct 236

<210> 23328
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700909676H1

<400> 23328

attctctgca cttttcagtt acaaagcatt tcattgtttt acaatataca acactacaat 60

0053113-03200

gaactaacat caaggctatt atattagata tgattatggc ggcatttgac acgtcatcca 180
 caacggttga gtgggccatg tcagatactc ttgaggcatc aaagtgtgat gaagagactt 240
 caagatgagc ta 252

<210> 23332
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909683H1
 <400> 23332

ctcgcacctc gactcgctcg tgggacaggc actgttcgga gatggcgccg cagcgttgat 60
 catcggatca gaccccgacc cagcagtga gcgccgata ttcgagatga tatcggccgc 120
 ccagacaatc ctgcccgaact ctgacggtgc tatagatggg cacctcggga ggtgggactc 180
 acgttccacc tcttgaaaga tgtgcccggg atcatctcga agaacattga gaagatcttg 240
 tt 242

<210> 23333
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909684H1
 <400> 23333

gttccatccg catccgctag ctcgcgcagg caccagcagg tgaggttatt gtgatttgaa 60
 tggaggggaag tggaggtggc ggtgcttcac cgtctgcacc gttgaagcaa tacttacagg 120
 aattctcgaa gctgtttcag tactatctgg ataaatccac tccccatccc cccgacaggt 180
 ggattgggac tttcgtcatt gcatccatct acgttttgcg tggtgtttat gtgcaggggt 240
 ttac 244

<210> 23334
 <211> 241
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909686H1

<400> 23334

tgtcactgac ctatcttggt agagatttga agtttaaacc ttcaaattaa tcaaaccatt 60

ttaatttgcc tatagattct gagtcactgc tgctatggcg ctacgcgtac ttcttgtggt 120

ggggacgttg ctgatgttgt gccttggtta ggtttcatct gatccaaaga tagaagaaga 180

aatactggaa gcagaagaag aactgcaggt tcccgataac gagccacgta tcgtgagaga 240

c 241

<210> 23335

<211> 127

<212> DNA

<213> Glycine max

<223> Clone ID: 700909687H1

<400> 23335

cttaattaac caaactgctc gtctcggtcc gcgtcgctgt ttctccaat catctcaacg 60

gcacagtgat ggtagcgcta tcgctgttgg gggaaaaaat ccgaatccaa aggtggtaat 120

agatgac 127

<210> 23336

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700909690H1

<400> 23336

gtgtgaagaa agagacctga aagtgcgtgt gagccggtgt gttcatcaga caaaaaaaaa 60

cccagcaaca atgggaggca cttctgcaga tcttcaccac catgaatcag atatagaact 120

cactgatgct gaaaggactg acacgaagtt aggggcttct gattcaaaag ctggcaatga 180

tggtggactt gacagtggca ccaaatecca ggctgaagct gaaggacaac 230

<210> 23337

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700909691H1

0953143-032200

<400> 23340
tattattctg agtgtggtgc aagccaccta tgtactatctt ttcctttact tatgcaaaag 60
ctacctttgt actatctttc ctttacttct gcacaagcta ccttcgtttt gcaggtacat 120
gggtacaata actggcataa gtgacctgga tcctgttcgt tggccgaatt ctcattggcg 180
atctgttaag gttggttggg acgaatcaac cgctggagag agacagcccg 230

<210> 23341
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700909701H1

<400> 23341
cgaaggatct ctctctctca tcacatgatc attcagcgag caatagcata gtgtgaaatt 60
tgagtgcgag agcgaggaat cggaagaaaa cgaaacccta agaagaagat gccgaagaag 120
atgggggtga acacgaaggc ggatgcggca agggcacgta agagcgcggt ggatacggag 180
cgcaaggaga aggagactcg agagaaggag gaccagtact ggcgagaggc ggagggttca 240
aagtcacgag ccgcgaagaa ga 262

<210> 23342
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700909702H1

<400> 23342
atgatcattc tgactctctt tctctttccc ctctcttcg tcgtctccgt tttcttttat 60
ccgtttctgt ttttccaatt ttgcctccg ctttttccct atttcccaat ttgacctct 120
tcttcttcta ccatgacctt cttgaagtcg tagctcgagt ccgtgttcgc cttttccaat 180
tcccaatttc aatttcccaa acttcgtagg atttccgctg aataatggaa cctcgagttg 240
ggaacaagtt ccgtctcggc c 261

<210> 23343
<211> 261
<212> DNA

09531413-032200

<213> Glycine max
 <223> Clone ID: 700909705H1
 <400> 23343

caccaaagca gtgtagtttt ccgttgtcac tgccatggct ttcaaaaaag tactattcca 60
 atatttcact ctggatttgt gtcttgtctt cgcattttgt gcttttgagg gcaatgctcg 120
 cactctcgaa gatgctccaa cgcgtgagag gcatgagcag tggatggcta tacatggaaa 180
 agtctacacg cactcttatg agaaagagca gaaataccag acattcaaag aaaacgtgca 240
 agtatagaag cctttaacca t 261

<210> 23344
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909707H1
 <400> 23344

ggagactgga tgggtggaacg aatgaacctt tattcacaaa tgtcactaga gattttattg 60
 gcactctaga ttacatattt tacacagcgg attcattggt tgtggagtca ttattggagt 120
 tgctggatga ggagagtttg aggaaggaca cagcacttcc ttcacctgaa tggctcctcag 180
 atcacattgc tctcttagct gagtttcgct gctgcaagaa taaatctagg cgttgacagt 240
 taaggctcact ttcagtgata 260

<210> 23345
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909708H1
 <400> 23345

ggttgcagga gctgctgctg ctggtggtct ttctcttgct gatgttgctg ctgaagcaaa 60
 acatgcatct gaaatagtgg gaacaatggg tgttgctttg actgtgtgct caattcctgg 120
 tcaagttgca tcagatcggt tggggccagg aaagatggaa cttggtcttg gaattcatgg 180
 agaacctggg gcagctgtgg ctgatattca gcccgtaaatt gtggtggttt ctcattgtct 240

acagcaaata tt

252

<210> 23346
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700909666H1

<400> 23346

ttcatcatca tcatcatcat tcagagagt catagaatga gttcttcttc tggtcagagc 60
agtggctatg atctttcctt caagatcttg ttgatcggtg actctgctgt gggaaaaagt 120
agcctccttg ttagcttcat ctccaactct gctgaagata ttgctccac aattggtgtt 180
gattttaaga tcaagatgct cacagtaggt gggaagagat tgaaactaac tatttgggac 240
actgctgggc agga 254

<210> 23347
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 700909709H1

<400> 23347

gtgctggatc tgctgcttct ttgtctactc ttctaaatcg actggatcct gtgctccgaa 60
agacagctca tcttgaagc tggcaggtta ttagcccagt ggaaactgtt ggatatgttg 120
aggatcataga tgagttgctt gctgttccac acaacata 158

<210> 23348
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700909710H1

<400> 23348

atcttgggca cccacacttc tgagaatgag cccaattacc tcatgctggc ccagggtccaa 60
ctccctcttg atgatgctga gaatgatgcc cgccactatg acgatgatcg ccccgacatc 120
ggtggctttg gctgcgcaa tggcaaggtc cagatcatcc agcagatcaa ccatgagggt 180

gagggttaaca gggctcgcta catgccccag aaccctttca tcattgccac caagaccgtt 240
 agtgctgagg tttatgta 258

<210> 23349
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909621H1

<400> 23349

gtgacaagtt gagtatgcaa gttaaacaaa caactgcaag ggaaataggg gcctaacttt 60
 atatatctgc gtgagtgagt gcgtcatttc tttctttctc tgcttccta accaactgaa 120
 ccagcagcaa catttgcgca aatcgaaatt gattctctgc cacttaacct aaaatggaaa 180
 tctttccgat tcccgcgaa tctacactc tcggcttcat cggcgccgga aaaatggccg 240
 agtccattgc ccg 253

<210> 23350
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909622H1

<400> 23350

ttgatctcag attgcaattg cctcttctct tctccagaa tcgggtgtagg ttacaggttt 60
 aagggttttg ttttcattta ggtcactaat ccgatatcat gaagctcgat acgactagtc 120
 tcgaatcgtt tcccacactg attgcacctc aaaacgacgt cgccggagaa ctctccgccg 180
 ctccgttctt tgaccttccg aattccaatg acttcgatgg gttcttgaaa gacgctatca 240
 gatggtgaa 249

<210> 23351
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909623H1

<400> 23351

0953113-03600

<213> Glycine max

<223> Clone ID: 700909628H1

<400> 23354

cttatatggtt ggatccacat gttaggaaaa ttagggatga gagatatagg tggaagtata 60
gttgtggagc taagggctgc acaaagcttt ttcattgcagc tgaatttgtg cacaacatt 120
tgaagctaaa acaccctgag attgtgatgg aactaacatc caaatgcgc gaggatcttt 180
attttcaaaa ttacatgaat gatcctgatg ctcttggtgg aatgcctgtc acgcagcaa 239

<210> 23355

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700909629H1

<400> 23355

gtttgggttt cacaacaga cacacagtcg gttcttcctt ctcaaatatt cttgagatct 60
cccatcttct ccgaagcaaa gccatggcta agggctctgg tctctactct gacatcgga 120
agaaagctag ggatctgctg ttcaaggact accacagtga ccagaagttc accatcacca 180
cctactcacc gactggagtg gctattacag catcaggaac caggaaaagt gaactgtttc 240

<210> 23356

<211> 225

<212> DNA

<213> Glycine max

<223> Clone ID: 700909631H1

<400> 23356

tttgattgca cacactgggtg gacccgcaat tttggaccaa gtttaggcga agttaggcct 60
gaagcctgaa aaaatggaag ctactagaca tgtgctcagc gagtatggta acatgtcaag 120
tgcatgcgtg ctattcatac ttggatcaaa tgaggaagta atcaagagaa aatggacttg 180
gcacaaccgg tgaaggctctt gactgggggtg tgctattggg ttcgg 225

<210> 23357

<211> 247

<212> DNA

ggaccggagt aga

253

<210> 23360
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700909639H1

<400> 23360

ctagttctta acttgttaca gaaagttctc tctttttatg ttctttctgc ctccaaatta 60
ccactctctt cctatgctat gatacagata caggaagagg atcaaaatac cccaccataa 120
gacaaacca aaggaatagc aacgtcaatt atgggtgggag gtttcaatgg agaaggtgtt 180
gtgagagaaa aagaggaaga agaagaaaac aacaagtggc cttcatggct gcagccactt 240
ctcaagac 248

<210> 23361
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700909642H1

<400> 23361

tggtggaagg gtgcatgcac ggggacctgg acaatgtcta cagaaccctt caacagttgg 60
agaaatctga aaacacgaaa atcgaccttc tctctgtctg cggcgatttc caagccgtga 120
ggaacgagca tgacttgaag agcctgaacg tccctctcaa ataccgctcc atgaactcct 180
tctggaagta ctattccggc gccgagggtg cccctaccc caccatcttc atcggcggca 240
ac 242

<210> 23362
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700909644H1

<400> 23362

tttcccccaa aaaataaaaa gcacaccttc attcgcttct ctttctttct tccaactcta 60

002230"ETT.E560

taaatatcaa tcaaaattcc cctccacact cattctccca tcgttttccc tttctctctc 120
 tcattctctt ctccatcgcg cgtaagaaac acatttttagt tgctactaat gggaactggt 180
 gaagctgcaa acaaggatgc aaatggaagt ctccatagaga aaaatccttc agttgttttt 240
 gtg 243

<210> 23363
 <211> 119
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909645H1
 <400> 23363

tttcatcaaa ctcatcaaaa tgaatctgta ccactccttc accaccacca ccaccaccac 60
 catcttcacc gtcattattcc tctccttgc aatattatgt cactgctcac accccacaa 119

<210> 23364
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909647H1
 <400> 23364

ctagttctta acttggtaca gaaagttctc tctttttatg tgctttctgc ctcaaatta 60
 ccactctctt cctatgctat gatacagata caggaagagg atcaaaatac ccaccataa 120
 gacaaacca aaggaatagc aacgtcaatt atgggtgggag gtttcaatgg agaaggtggt 180
 gtgagagaaa aagaggaaga agaagaaaac aacaagtggc cttcatggct gcagccactt 240
 ct 242

<210> 23365
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909649H1
 <400> 23365

actaactcca gagtgtccac agaaccatac gagtgtttct cggattcaga aaaagagcta 60

tgttggtgat ggttaattaa tgaatgaaga atggcaaaaa aagctgtggt ttttcttctt 120
 cccacagag ctttttcttc ctcaaccaca gaaacccccca ccctttactc cttccttcag 180
 ccctcagtct ttgctctcac caaaaaacaa caccaaccca attcagagcc ttctccaaag 240
 tcccccaactt tactctc 257

<210> 23366
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909650H1
 <400> 23366

gtttttgaat tccaccttct ccgaccaatg gctgccaaac ctcttactac cgaggcgatt 60
 gcgcttacgg aaaagaagat ggacatgaca ctagatgaca taatcaaaat gtctaaaaac 120
 ccgaagaata agaagcaaag aagggttccg aacaaaagtc aaaaattttc aaacaatttt 180
 actcaggata agtctgcaaa ggtccagcgt tatatggaat cgagatcttc tcttagacag 240
 ggggctcttg caaaaa 256

<210> 23367
 <211> 174
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909651H1
 <400> 23367

atctaattgt tactatgaca gggcaatagt tttaaatgtg tataaagcct catcgttgca 60
 agcttatctt gcgatggatg caggcctaca ctgccgattc gagaaaggag gttggaatgt 120
 tacatggctg agccaatgaa ttacgtatg tgggaaccgc cactaactta gttt 174

<210> 23368
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909653H1
 <400> 23368

tgaacgaaca gttttgggtg atcggaggtg tatcttctca tctttttgcc ctatttcagg 60
 gtttactgaa ggtcttggct ggtgtgaaca caaacttcac tgtgacgtca aaagcagcag 120
 atgatggaga attctcagaa ctctacatct tcaagtggac atcactcttg atccctccaa 180
 tgaccctact aatcatgaat attggtgggg tgggtgttgg ggtctcagat gccatcaaca 240
 atgggttat 248

<210> 23369
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909654H1
 <400> 23369

tgtagaaact gcgaaaatgg catcggagtc aggtcaaagt cccaatcctt cttggtttac 60
 gccccaaaagg cttcttatga tattttgtct cattaacatg ctaaactatg tggatcgagg 120
 agctatagcc agtaacggtg tcaatggaag tcttgcaact tgcactgact ctggaatttg 180
 tacaggtggc agtgggaattc aggggggattt taacttgaac attttcaaga tggagtctg 240
 tcattct 246

<210> 23370
 <211> 165
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909658H1
 <400> 23370

ggcaagagca gcgccgacga ttggcagagg gtgtcttctg agcgcagggc atccatcggg 60
 aagcagatgg ctgatgctgg gatcaagtac atccccagca acactttctc tcactatgac 120
 caggtgctcg acgccgccgc caccctcggg gccgttcac caagg 165

<210> 23371
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909660H1

00022E0"ETTES60

<400> 23371

cttgtgattt gctcacaaaa ccagtgtcgg tcacaccatc tctccctttt ctccacctgc 60

aacgatgtcg gttaaggagt gccaccacca ccacaaggga aagaagcaca agctctggag 120

acgcattctt tggggaatag tgatcttcgc cttcatcgtg ttactgacag ttcttataat 180

ctgggcaatc ctaaagcctt caaaaccaac cttcatcctc caagacgtca ccgtttacgg 240

<210> 23372

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 700909662H1

<400> 23372

ttagtaggag gcattcattg tcttagagac catgttctgc agaccctagt ccttagagct 60

ccattcagtt tattgtataa tcattctcatt caagtagcat caggagttag aggacactga 120

catcatattc catctgataa ttcaatcaga aatctatgta actgtgaact aatgtgagca 180

tgtggctaaa atatgaagcg ccaaaagtat atgtt 215

<210> 23373

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700909663H1

<400> 23373

gtctctgtct caatcctctt tcgatcaaaa acccttagct cttctctctc tcatacttac 60

acacactctc aattcttgca catcttccat cggcgttggc gtcttcattg aattgggttaa 120

aattgacatg aacggtggaa aaattggtga attaactctg cagagttttg aaaaatgccg 180

ggattagcgc aaaggaatga acaccaactt actaatcgct catccacgcc gacgtgtt 238

<210> 23374

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700909620H1

<400> 23374

tgagattttg ctgctctttg aagaaggggtg tttgcttgat tttggagatg tcgctgctct 60

cagatctcat caaccttaac ctctcagaca ctactgagaa ggtgatcgca gagtacatat 120

ggatcggtgg atcaggaatg gacctgagga gcaaagcaag gactctccca ggaccagtta 180

gcgacccttc aaagcgctccc aagtggaaact atgatgggtc cagcacaggc caagctcctg 240

gagaagacag tga 253

<210> 23375

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909665H1

<400> 23375

cgcaaaccct aacctacttc ttctatatcg gcacctctat cccctgaacc ctgttccatc 60

ttccaaccat ggcgaaccaa gacttcgaag agcgctcgca gcaaccgcag gagctagggt 120

atgacccgaa ctttgctccc gactcggtta aatcttttgt ggttcacctg taccgtcaca 180

tccgtgaaaa gaacgtgtac gagatccacc agatgtacga gagctactcc agaccctctc 240

ggaacgtctc ttcaag 256

<210> 23376

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700909581H1

<400> 23376

aaagaattta gatagccttg ctctcaaadc caaccctctc agactgagca gagacacaca 60

cacacatcct aatcaciaaag cgttggccat ggcatacatg attgtggctt ccaccaaacc 120

tctggttgcg gtctgcacca gttcccgttc 150

<210> 23377

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700909582H1

<400> 23377

gtgaagagaa gcaatttgcc gcagaagaaa tctcgtccat ggtgctcatc aagatgcgtg 60
agattggcga ggcttaccta ggctccacag tgaagaatgc tgttgtcacc gtccctgctt 120
acttcaatga ttctcagcgt caagctacca 150

<210> 23378

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 700909583H1

<400> 23378

gaggaatcaa agtacagata gaatcaacta tctctctttt ccttcctcgt ccttcttttt 60
tctcatttcc ttctaaacat aaaatgcatt tgtgattctg ccacaataat tataagttca 120
gaaatcttaa ttactgccct ctggtc 146

<210> 23379

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700909584H1

<400> 23379

cgttcatgga tccagtaagc gtgtggggta acacgccctt ggcgacggtg gatccccgaga 60
tccatgacct catcgagaag gagaagcgcc gtcaatgccg cggaatcgag ctcatcgctt 120
ccgagaactt cacctccttc gccgtcatcg aggccctcgg cagcgctctc acgaacaaat 180
actccgaggg catgccgggc aaccgctact acggcggcag tgaatacatc gaccagatcg 240
aaaacctctg ccgc 254

<210> 23380

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 700909585H1

0953113-03200

gaaaatgttg gtttgtctct ctcatatggc ttgtcattaa atgccgtgat gttctgggct 60
atatacatga gctgtttcat tgaaaacaaa atggtatctg ttgagaggat caaacagttc 120
acaaatattc catcggaagc ttcattggaac attaaggatc gctgcctcc tgcaaattgg 180
cccggggaag gccatgttga tatcaaagac ttgcaggtea gatatcgtcc aaacactcct 240
ttggttctta 250

<210> 23384
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700909589H1

<400> 23384

aagaggactg tccatgatgt tgtacttggt ggtggttcca ccagagttcc caaggtgcaa 60
caactcctgc aagatttctt taatgggaag gagctctgca agagcatcaa tcttgatgag 120
gctgtggcat atggtgctgc agttcaagct gctatcttga gtggtgaggg taatgagaag 180
gttcaggatc ttctccttct tgatgtcacc cctctctctc ttgggttgga aactgctggt 240
ggggtgat 248

<210> 23385
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700909591H1

<400> 23385

ctctgattgg cctagccagt agtagccaat ttgttgagc tggttgggaa tggcgtcgaa 60
aacgaaatca aatggaaatt ccaaagcaa caacggatcc gctgacagct atatgctggt 120
gaatcctgaa gacgctcatt tcttcgatct tgttcatgtg ctgtattccc gtaacttggg 180
aaaccgaaaa tttgtggaca gcaatgctga gggatcttat gagggaagct tccgcaaag 240
atggc 245

<210> 23386
<211> 246
<212> DNA

09511-0300

<213> Glycine max
 <223> Clone ID: 700909596H1
 <400> 23386

acgatgtgta aagtatctga atcgctctgt acttgaaggg cgtgtcatca cggaggagaa 60
 ggctaaaaga cgacgtgggc gaaccccaac gccagggagg tatctaggac tgagaactat 120
 tcgtgctcga cgtcgctctc caagttactc tcctcgtcgc tctcctagct attctccctt 180
 cagaagaagc tacagtcgct ctccctattc ttcagaccga agtaggagtc gttcttactc 240
 tcctga 246

<210> 23387
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909601H1
 <400> 23387

tttggctact ggctgtcatc ctttctttca tcttcttcca ctgtctgtct acactacgga 60
 cagagctttt ttcacaccac agctaaaagt gctgcaatag agcccttctt ctcccttctt 120
 cttctctacc cacacccaaa cccaaaccaa gttctttctt tctaattccc ttgataatgt 180
 aaaatcacag aaaaacaaaa aaagctactc aaaacttggc tccaattagc ctttcttttt 240
 ttgttttgag gaaaaacaga aaag 264

<210> 23388
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909603H1
 <400> 23388

ttcagacaga gactgtcagc ttcgccccgc catgaacgct attgcaactg ctgcagttct 60
 ctctctccct ttctccttct ccaaatcatc caaacttgac accaaaaagg gtttaaaagg 120
 aaggttttaga gtgttttgctg tatatggaga agagatagat aagaagaatg catggagtg 180
 cctctttgat gtggaggatc cacgatctaa agtgccgcag tataaaggga atttttggat 240

gtatatcaag cccttg

256

<210> 23389
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700909604H1

<400> 23389

ttgaggatgt accactccgg tgccgttttg cttcgcgatg ggcgagttct tctcgctggg 60
agcaaccctc acacgtatta caatttcacc aaagtgttgt ttccaacgga actgcggtta 120
gaagcgTTTT ctccttggtta tcttgagccc ggattctcta acgtgcgtcc cgcaatagta 180
tctcctgcgt cccaaacaaa actcaagtac ggtcagacgt tgaggcttcg gtttaagggtg 240
agcgcgactt tgggtt 255

<210> 23390
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700909605H1

<400> 23390

tgtcgtgaca taagcaaaag gaaagaatat caacaaggta aagtagattc cttactagac 60
atggcggttga aggacacatt ctacatatct catggatcac caactttgtc catagatgaa 120
tccattcagg ccaggaagtt ccttcagtca tggaagaagg acgtgtttcc tcaaagaccc 180
gcttcaattc ttgtcatctc tggtcattgg gaaaccgcag ttcccacggt caacgtcggt 240
gactccatca acga 254

<210> 23391
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700909606H1

<400> 23391

ttagcatcat cctgatttga ttatgtgccg gaagcagcca gggattgcca ttggacgact 60

002220"EFFE560

gtgcgagata tgtgatggca agtgtgtgat atgtgactct tatgtgcgtc cttgtacact 120
 tgtccgagtt tgtgatgaat gcaactacgg atcatttcag ggtcgatgtg tcatatgcgg 180
 aggagttgga atatctgatg cctactactg caaggaatgc acacagcagg agaaagatag 240
 agatggttgc cc 252

<210> 23392
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909607H1

<400> 23392

tcttgatgca tataaagctg cttggggctct tttgaagggtt tttagtcatt ctactatttg 60
 gactgtttta gactaaatgc atttccttta ttttgtgtca atactgcatt aatttaattt 120
 taaatgtatt gaattgtaga tgtagattat cttaagatgt tccctaaatg aacttatgtt 180
 acaggggtgct aatgggattc tagttccagg aggttttggt gacagaggag tggaaggaaa 240
 aattcttgc 249

<210> 23393
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909608H1

<400> 23393

tacgaaacag aaaatgccag gtctcacagc accttccgat tactcccaag aaccccccg 60
 ccactcttct cttctcatca acgccaagga acctttcaat gcggagccac cgctgtctgc 120
 gttggttgc tcttacgtca ccccttccga tttcttctat aagaggaacc acgttccaat 180
 ccccatcggt gagaacatca acagatattc cgtgaacgtg tccggcttgg tggagcgtcc 240
 caaacagctc t 251

<210> 23394
 <211> 245
 <212> DNA
 <213> Glycine max

ccaccgagac cttgggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa 240
 tggggt 246

<210> 23406
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909547H1

<400> 23406

caaaatcatc atgatttggt cagttaagat aattctgggt tttgtgacaa ttgatttcaa 60
 tacgacgggt tcctttttcc agattttatg gtagctgtaa gatgatgtat aaactgcagt 120
 cttgtaatat tgaattggag acaagcatgt ttcagtata atgcgggaat agataatata 180
 atttctttct tttttaaaaa agaaattaa aagaaagatg agtagg 226

<210> 23407
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909548H1

<400> 23407

atcctttggt atatccctat atcttgcttt taagcattca attgcttcca gctgtattat 60
 acttgtctaa ggaagcagga gatgaaggat ataacattga tgctgccac ctatccattg 120
 tgctagctga tcatggggtc ctttctgaag gtgctgggtc tgggcaaaag ttaggagtga 180
 tggatgctta tgcggaagtg tcgaccatta tcaggcagta tggatctatg tattt 235

<210> 23408
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909549H1

<400> 23408

tcttacttca ctgcacgtct tgctttactc tttctctctc ttacatgccg gaatttcctc 60
 tctctttctc tctccggaga atagaatata taccctaaat cttcgctttg ctgacacaca 120

<223> Clone ID: 700909557H1

<400> 23414

caacaagttt atatgagtat cgaggatgga actcaaaagc tgccaatcct acacaccgtc 60
ggcttacttg gggccttaga ctgctggaaa gacgcgtcgg ttgacttcta catgctcgga 120
t 121

<210> 23415

<211> 162

<212> DNA

<213> Glycine max

<223> Clone ID: 700909559H1

<400> 23415

gctcggagtt cggcgcgaga gcaaagcaac tacatcagct catggctacc cccaacccca 60
ccagattctc ccttgccatg gagagaaccg ggcaatgggt tttctcccca gaaatcgac 120
cggtttagtg tgcattggaa accaattttc tctccacaag tt 162

<210> 23416

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700909560H1

<400> 23416

gaaaaagggg aggggaagggtg tgtgggggttg gaatgagtat actatacatg ttgttggtgt 60
gtggatgaag aagacacctc actgaattaa attaaccagg gaaaaccacac tcttgctcat 120
ttcccttctc tgtctctaaa acaccaaacc cctctttttt tctttctatc aaacacagt 180
cgtgcttttt tgttcgtggt cttgttcttt cgttctccta attgtttcgg tttatga 237

<210> 23417

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700909561H1

<400> 23417

<211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909567H1

 <400> 23423

 attgggttct cttgcaagct ttacagctac agtaatggtt tcataggtca aatatcgatg 60
 ctgttacatg tactgggatg gcagttgtaa tgtgtggaaa ttttattctt acggagattt 120
 tgaagtggag gggaagatca ctggctcagt cgaatcaaca acaaggttcc caagtagcag 180
 taccgccacc tgatcaatca tctactatcc ctcatcaagc tcagattggt tctgaacata 240
 ctgaaagtaa tt 252

<210> 23424
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909568H1

 <400> 23424

 agacaacaga ggaacactcc caaacaacc atggacgtgg gtcagatgca gagacagtgg 60
 atcgactaca ccaaatacct ctctctcgag ggcttcctgg atggtcagtt tctgcaactt 120
 cagcagcttc aggatgagaa caaccctgac tttgtggtcg aagttgtctc tctcttcttt 180
 gaagattctg aaaggcttct caaagatctc acctttgcc tagatcagaa tggcggtgac 240
 ttcagaaaag ttg 253

<210> 23425
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909569H1

 <400> 23425

 ctgaggcctt ctttctctgc ctccaccca tcaaccttgc ctgtcacaga attgcggact 60
 gttggttctt ctaaagtgga tattagggat gtgcaggtag atgaacacgt taccgtgaca 120
 agatggcca agaaacatag ggccctattc actggcagag gctcagaaaa agtcgaaagc 180

tggaaaaaag aactaagcac tcaatcgta acttgggacg tttctgaaac gtcaaagcct 240
gcctcaaaga c 251

<210> 23426
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700909571H1

<400> 23426

gtacaacaca accaggtccc tgaatgcttt ttagagagag aaagagtaat aataataaag 60
tggaagaaaa agaattagga gagtgaaaca agaatatgaa gaagaagaag aagaagaaga 120
agagttgaga agatggtgtt tgaggaaact gagctgaggc tgggactggg actatgtctc 180
cctggaaatg gaaccacggc aacaactgaa gctgctgctg cggaattagg agtgaggaag 240
agagggttct ctg 253

<210> 23427
<211> 150
<212> DNA
<213> Glycine max

<223> Clone ID: 700909573H1

<400> 23427

tgaccagcaa cctccgcaca aaatggatga gaacatgtgg aagaatcgag agtacattga 60
agaaacaatt tttttacttc agagttctaa ttggccagag gcgctgaagc agcagtccac 120
agctgacagt gttgaatttg ccattacgct 150

<210> 23428
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700909574H1

<400> 23428

cacttgcaag gtttctccct gatggccttg tgtcagtaat tagggatgga cctggtgaag 60
ctgttgtagt tggctttgag cagactacag agacaccaga acttgatgga acaccagcga 120

tggcagcttc cttatctgca caaatttcca ctatggcatt agagctatac cgtgagcaga 180
tgaaggggcg tgttgttgat tgggatttgc ctgagcaggc atctggccag caggaaatga 240
gagatga 247

<210> 23429
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: 700909544H1
<400> 23429

ggaggaagtg ctgaataatg ctctaggcag agtcaccact atcgaacaag acttggttgc 60
aagaaagaag gcacttgatg atgcccttgc tcgacaagta gaactccaag ctcaaattga 120
caagaagaag aaaaagaaga acaagttgtt ccgcttccgc tgttttgctg cgtgatctca 180
aatgcatcag gaagagttgt aaaattggag gctttctatt tcgactgcct gtttgattaa 240
aaacctctgt 250

<210> 23430
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: 700909575H1
<400> 23430

ctcttcactt tcaatctctt tcccttcctt tccttgtctt tctattcctc tagatcaaaa 60
ttgttatatt atcacccatc aaacattcca cacttctccc cctccctttg aaaacacctc 120
aatcaatctc gatgatcatg gcagcactca attcaagcac ttgtgccata cctcaattcc 180
ctcacgtctc ctccctcact atctctgctg cttcatcatt agcaagagat ttgggcttcc 240
ccacaagg 248

<210> 23431
<211> 247
<212> DNA
<213> Glycine max
<223> Clone ID: 700909576H1

<400> 23431
 ctcgagccgg gaggagggag gtggagtgcg ggcgagggta actaaccaac gctaagcagt 60
 tgttgagttt ggttggtagt agatgagcga agtggtgacg atggcggacg tcacggcgaa 120
 cttgcaagca gcaaccaccg catccacccc ttacgcgctc cccaccaatc tccctctcct 180
 ctccgctttc ctctccttcg ctctcgcaca gttcctcaag atcttcacct cctgggtataa 240
 ggaaaag 247

<210> 23432
 <211> 201
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909503H1

<400> 23432
 ctttgcgatg gtcgattgct ttttatttta tgattcacgt tgcaggtgat gctgcccatt 60
 ctaatctctt cgataagtat gttaggagaa caaacattat aggggtgaggc aacccaattc 120
 accctctgcc gggtaccatc tcgttctggg cctgctgcat tacttgaggat gcatattaga 180
 gcaggagaag gagatgaaga t 201

<210> 23433
 <211> 221
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909504H1

<400> 23433
 gttctagatc gcgagctgcc gcccttttcg cctttttttt tttttttttt cccgccggca 60
 ccgggttctt tcctttttcca cctgggtgtgc aatccccggg ctttttcaag ttttttgggt 120
 tcacaaaaca aaaaaaatga cctcaggagg ggcccccccc cgtctagtag tcttcccccc 180
 ggttgatcat gccgcacgt tcccccaagt ggagcccgtt t 221

<210> 23434
 <211> 255
 <212> DNA
 <213> Glycine max

<210> 23440
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909515H1

 <400> 23440

 gttttgatcg tccctcttcc caatttcagg gtaagctttg gatctcggat cggagcctta 60
 cccatctttt ctaaattctt aaggaacgct ttgggacact aaagtttcca agattgtaga 120
 gagcacaaca gaatgagagg gaagacttga atcaggattc aggggtgaga tatttgagga 180
 tggttactta tggtgaaagg tgggctgata aatagggagt aagcatggaa aatttggtga 240
 gcaaataag 248

<210> 23441
 <211> 226
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909516H1

 <400> 23441

 cagcaattgt tgaagattct cgtcctccat cctcatggcc tgagaatggg acaatccaat 60
 taattgatct gaaggtagct tacaaggaaa atcttcccgt ggtgcttcac ggagtatgct 120
 gcacatttcc tggtggaag aagatgggat aattggctgt actggagtgg caatctactt 180
 gattcaagca ttatttcgat tggttgaacc gggcagggat atccta 226

<210> 23442
 <211> 54
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909517H1

 <400> 23442

 agctcgattc ggtcgagcat gatctcctcg ctccaacaat gttcccatac cctt 54

<210> 23443
 <211> 253
 <212> DNA

acgagaacgt cgatctggaa cggattccaa tagaggaagt gtttgagcag ctgaaatgtc 180
 caagagcagg tctaacatca gaggaagggg ccaatcggat caaagtcttt ggaccaaaca 240
 aattggaaga gaaa 254

<210> 23449
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909526H1
 <400> 23449

ttcgagggtt tccttcacat ctctgtaatt tccatttcca cagttactct tgtgaattag 60
 cgagatttga agcgagtgat ggctgcgaag gaagagaatc gaatatttgt tggagggtta 120
 tcctgggacg ttacggagcg tcaactcgag catgcctttg ctcgttacgg caaaattctc 180
 gaatgccaga tcatgatgga aagggatata ggccgtccac gtggatttgg gtttatcaca 240
 tttgcagac 249

<210> 23450
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909530H1
 <400> 23450

acataattga gacttttggtt gatgaatata aggcctgtga gtccccagat tatatcacat 60
 ggggaatgga ggatccaaac aacatgctaa caggagaagg caatgctaca ggatcattgg 120
 atccaaattc agtagcgtga aaaaaaccaa gtaccacaag ggaagcataa tcaaggaaag 180
 ggtttttctg aaagatcaac aaggtttcct ttgaagtttt taacttttat ggggtgtgag 240
 atgggtt 246

<210> 23451
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909531H1

<213> Glycine max
 <223> Clone ID: 700909462H1
 <400> 23460

cctactttcta ctcccttttg ttctcaaacc ttatccctta tctcccaaaa accaaaccat 60
 gtctacctcc gcagctttctc tcgcactccc aacctcact ctccgaactc gacaacctct 120
 ctgtttctccc caatgcttct cctcgctcct ctccctcacc cctaactcca aacctatttc 180
 catttcggcc gttttcctca aaacaacgct gtcgctcgctc tcgccgttgt cgctgtcgctc 240
 tcgcttcggt ccccatgtct ctgtgttggg gcagga 276

<210> 23461
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909463H1
 <400> 23461

gtcttcataa acgcctttct tctccgtttc cgtttcctcg ttcgaattcg ctttttgatc 60
 tgcgaaaatg agagagtgc tctcgatcca cattgggtcag gctgggtatcc aggtcggaaa 120
 tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc aaatgccaaag 180
 tgacaagaca gttggcggtg gtgatgatgc tttcaatact ttcttcagcg agactgggtgc 240
 tggaaagcac gtgccacgtg cagtgtttgt 270

<210> 23462
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909464H1
 <400> 23462

ggattttggt aaagaattct tgctttatag catattattg tgggtcttggg gcattctttta 60
 tatgacaatt gtttctagtt atgccagcat ggtccaaatt gttctgcttc ttcttttatg 120
 tatgcaagga aattctaata aaaactaagc aagaattatg gacttaggtt taaaatcatc 180
 ctacaaagct agatttagat aatcacagca aaaatcctag atgtttgaat cattcctttc 240

taacatccat attggcgaaa agatctgtac agta

274

<210> 23463
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700909466H1

<400> 23463

gtgaactagt tttagattct tacctgggtg taattaatgg gaaagacttt ctaattttgt 60
tataacttat aaatcataaa ctgcacccct gtactcattt gagatcaatg ttttaaatec 120
cgaattaggc tatatatgaa tattttgaaa ttattatat agtctattaa atataatttc 180
tcaaaaatga taataaaaaa aaactcatag ttgatgatgt tcataattaa caataaaaag 240
ttgtaggtgt catgaacaaa acatacaag 269

<210> 23464
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700909467H1

<400> 23464

gtagttcttt acagaaacca tgaaatcaga aagcatcaat ttgttgctgt taccgagtgg 60
tctgggtgggc tgtatgtatc tccaaccata gctggaagca ggcttggaag tcttattgcc 120
ggtgcatggg cagcgatgat atctctaggg aaagaaggat acttgaaaaa taccaaagaa 180
attatggaag ggtcaagaag aatacagcaa ggcatagagg agattgctga gttggttatt 240
gttggaanaac ccgcatgacg ata 263

<210> 23465
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700909468H1

<400> 23465

accaaattcca cggttccttac ttcccagcga tccagtctcc aacgatccct cgttgcccct 60

ttcatttccc tcgcctccag aaattacgcc aacgtgccgg ggcaaaagga aaccaaagtt 120
aaggtccctc tggctttggt tggagggtca ggaaactatg actctgcttt gtatattgca 180
tctgtgaaag ccaatgcagt ggaaaaggtt gagactgagc ttctgcaatt tgttgaggca 240
gtaaagaata gtcccatat 259

<210> 23466
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700909469H1

<400> 23466

ctcaaacact agcaaaggga aggaaaagta ccttcccca taacccttct ctccgatttg 60
gcttctctca tcggaggga acaatcaata aaagaaaaaa aaaaccaca aaaagattat 120
aacaaaaaaa gtatgaaagg aaaagtacta ggttcgcag tttctctcat cctagtgggtg 180
gggtgtggtaa ttggcgtggt tgctgtagtt caaagcccaa agggcgtgaa caacaacaac 240
aatggaggag aattgaaaac cagcaacagg gc 272

<210> 23467
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700909470H1

<400> 23467

tatctctcca acttcaactcc ttttattccc ttatcacttc ttagttcttt ccttatcctt 60
tcgctatcca gacatgtaat ctctccttta ccaagttttg ttttactatt tgatcggatc 120
ggatcggatc ttgctttcgc cattaattac tcatggagat ccgtgccgat gcttatacca 180
gctccttttc aagtttggtc gcagctgtgt catatggatt tacatcaatg gccatggttt 240
ttatcaacaa ggctgttctt atgcagta 268

<210> 23468
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700909474H1

<400> 23468

aatagaatag aattcagcac acacaacaca ttctctttct ttgtagatcc cactcaactc 60
actcaggacc catccctcag catctgagag agagccccac aaacacaaag ggaatctgtc 120
tcaactcaac tcagctcagt gcagaatgcg aaagagcaat gaggaatttc cgaatctgag 180
tctaaggaag ccacccttaa agaggagcaa gacaattcca aatccaaaac acaccattt 240
ctctgtctct gtctctgact ccgacgagca at 272

<210> 23469

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700909475H1

<400> 23469

ccaaaccaac acctttcaaa atgcaaacat ccttaacctt tgctgcccc aacgttgtgc 60
ctttggcaca aacaaagagt ttctcccatg ttgccatctt ccctaccaat ttgaaagccc 120
cacgctcttc aactcgttac tctccgatca gggttgcaat cgtggagcct gacacttcaa 180
ctgtggacta caactctgcg ttctcagtgt ttccagcgaa agcatgcgaa actgttggag 240
gggaagctgc atggcaaaat gt 262

<210> 23470

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700909476H1

<400> 23470

ctttttacca aatctacaag aaaaaatcta cggatgggtt tcaatcacta ccttatattg 60
ttgcactatt cagttcaatg ctctggattt attacgcact cgtcaaaaag gatgctagcc 120
tccttctcat tactattaac tcctttggat gtgtgataga gacgatatac cttgcaatct 180
tcctaattta cgccccaagc aaaaccaggc tttggaccat caagcttctt ctcatgttga 240
atgttttttg attcggagca atgcttcttt 270

<210> 23471
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909478H1

 <400> 23471

 caaagttaag gtccctctgg ctttgtttgg aggttcagga aactatgcct ctgctttgta 60
 tattgcatct gtgaaagcta atgcagtggc aaagggtgag tctgagcttc tgcaatttgt 120
 tgaggctgta aagaatagtc ccatattttc acagtttata agggacttgt ctgtggctaa 180
 ggatgttaga gtaaaagtca tccaggatat ttgtggtgaa gctaagtttt cagacgttac 240
 aaagaacttc cttgttattg ttgctgaga 269

<210> 23472
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700909479H1

 <400> 23472

 caaagtttca tcaaagtac tctcaattaa gagaaatttg atcaaatttg agctcagtta 60
 cgtaataaac tacttgacat ttgatcaa atgtcaagtagt ttattacgta aacagaggtc 120
 aaatttgctg gctgctcttg aacgctatga taattttggg cgggaagccc gaatgcaacc 180
 atattgtaca aaagaggaca ttgaggatga tgattgattg cataatcgtc canagatcgc 240
 aantaatgca cagaagacca cggacgag 268

<210> 23473
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909480H1

 <400> 23473

 tttttctcta agtctaaggg gtgccctgag atcactttga gcaatgggtga aggctgtggc 60
 agttcttggc agcagcgagg gtgtcactgg aactattttc ttactcagg agggaaatgg 120

tccaaccacc gtaactggat ctcttgctgg tcttaagcct ggtctccatg gcttccatgt 180
ccatgccttg ggggacacta ccaatgggtg cctgtcaact ggagcgcatt tcaatcctaa 240
taacaacgag cacggtgccc ctgaggacga gaat 274

<210> 23474
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700909481H1

<400> 23474

ccctcggtga aatgaaaatg ggtacttctt tgtggacttt gtgtctaatt ttggcttcac 60
tagcctcttc tgcattctgt gcctttccac ggatgccagt ggaggttcca ttgggctgaa 120
actacgttcc cacttgggct tttgatcaca tcagatactt caatggaggt tctgagcttc 180
aacttcatct tgacaagtac actggtactg gcttccagtc caaatgggtca cacttgtgtg 240
gtcacttcag catgaacatc aagatagt 268

<210> 23475
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700909482H1

<400> 23475

atttctgggg ttggagggga gttgaagaaa atgctgtctg ggccaactgg gttacaccat 60
gaagatcaaa agctgttata caaagacaag gagagggatt caaaggcttt tcttgacatg 120
gttggggtga aggacaaatc caagatagtg ctagtggaag accctattag tcaagagaag 180
aggttgttag agagaaggaa gaatgctaag atggagaaag ctgcaaagtc gatctcagaa 240
atcagcttgg aagtagatag gcttgc 266

<210> 23476
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700909484H1

<400> 23476

aagcacttaa gttcttgcac tctcaagctt catccatgct tttgattgga gaggtgtcac 60

cggagatagt ttgggtcgac gctaagggcg tccctcgct taaggtcacc cctccccctat 120

tgccgtgttt ggatgtcaag ggtttcgttt ctctgcccta cgttgctcaa gaggtaatat 180

agaggaaaaa tgtgacggag aagagtgaga tatatgggtt cggagtgatg ctggttgaat 240

tattgacggg aaggagcgcc atggacata 269

<210> 23477

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700909486H1

<400> 23477

ctctccttct cgctctttca gctttgactt ttgttgaaa ctaaggccta atcaaatgg 60

tgaagttcat ccctgaagag ctacgtcgta ttatggacta taagcataat atccgtaata 120

tgtctgtcat tgctcatgtt gatcacggaa aatcaaccct cactgattct ctgtggctg 180

ctgctgggtat tattgctcaa gaagttgccg gtgatgtccg tatgactgat acccgtgcag 240

atgaagctga gcgtgggtatt accatcaag 269

<210> 23478

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700909489H1

<400> 23478

catcttaciaa cttgaaactc ttccgccata cctcacctct gatctacgtc gtcgtcgctg 60

atcttctgtt cagaataata attttagatc cctgatgcaa cagaacaagg aatcttctta 120

gattcttttt ctggaagaaa gagaagacag atgaagaaac tcttcttctt tagaccgctc 180

ttatatattt atatacagtc tctgattgat cggttttttc ggaacctcta ttttcaactca 240

actccacgcy tgatcttcgg gcatggatt 269

<210> 23479
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909490H1

 <400> 23479

 gaagaaggga tacgaggttc tttatatggt tgatgccatt gatgaatatg ctgttggtca 60
 gctcaaggaa tttagaggga agaagcttgt ctctgccacc aaggaaggga tcaagcttga 120
 cgagagtga gatgagaaga agaagcaaga agagttgaag gagaagtttg acaacctctg 180
 caaggtgatc aaggatgttt tgggtgacaa ggttgagaag gttgtggtct ctgaccgcgt 240
 tgtagattca catgctgtct tgtgac 266

<210> 23480
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909491H1

 <400> 23480

 ctttctccga gaacaaaaaa aaaaacgtca ttcgctcttc tcttcgaata aaccacaaaa 60
 ccaacaaacg agaagaggag tgagagaaga tgggggtgtc gttcacgaag ctgttcagca 120
 ggttgtttgc gaagaaggaa atgaggattc tgatggtagg tctcgatgct gctggtgaaga 180
 caaccatctt gtacaagctc aagcttggag aaatcgtcac caccatcccc accatcggat 240
 ttaatgttga gactgtggag tacaag 266

<210> 23481
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909492H1

 <400> 23481

 gatagattcc atcgggtcgt ttctgctctg ctagggttcc atcttcttcc atcacctccg 60
 tcgcattgaa accaggttcc atctgaatcc gattccccctt cgccttctct cctccttcac 120
 tttcaccttc tccgaatcct ctaccaatta ttatcatgtc ctccatcttc gtctctcaca 180

accttcgcgt ctttggcccc ggcttgaatc ccttcgcacc ttattgcacg gccaatcaca 240
ccctttcctc tcgctaaata ccaatt 266

<210> 23482
<211> 272
<212> DNA
<213> Glycine max
<223> Clone ID: 700909496H1
<400> 23482

gcaattttgg tgacattttc gatgaaaatt tcttcataca atcacttgga aatcgtgtgc 60
atgtggtgag agaactccct gatgacatac ttcaacgatt tgacaataac ataagtaata 120
ttgtcaatct tagagtaaaa ggttgggtcca gttcagctca ctatcttcag aaggctcctc 180
ctcagctttt ggaaatgggg gctgttcgca ttgcaccttt ctccaacaga ttagctcaag 240
cagtaccctc aaaaatccaa gggcttaggt gc 272

<210> 23483
<211> 237
<212> DNA
<213> Glycine max
<223> Clone ID: 700909459H1
<400> 23483

agagagagag aaagtgagag atggagagaa tgttccctca catgaagccc gctactatga 60
attcccatga cagacccatg tgtgttcaag gagactcggg tcttgtcctc accactgacc 120
ctaaacctcg cctccgttgg actgttgagc tccatgaacg ctttgttgat gctgttactc 180
agcttggagg gcctgataag gccactccta aaaccatcat gagggttatg ggtgtga 237

<210> 23484
<211> 279
<212> DNA
<213> Glycine max
<223> Clone ID: 700909424H1
<400> 23484

ccctccccct tctccatggg acagtcaccg tccaccaccg ccgcgcctcc gccagacctc 60

aaccgccacc aaattcctca gatacatcca aacaccgatt ccgatttcac cgattacacc 120
 ctccgtctct ccgacgattg cctggccgca atctttcatt tctgagcac cgccgatcgg 180
 aaacgttgct ctctggtctg ccgccggtgg ctccgcgtcg acggccagag gcggcacagt 240
 ctctccctca acgcacagcc ggaattacta gatttcgtc 279

<210> 23485
 <211> 126
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909425H1

<400> 23485

cttcggaacc ctaaattgct ctctttccga tgacgaccat gatgctttcg ccttagtttc 60
 gtttctatgc tctctctctc tccctctctc tctctctctc tcaactgtttc caacgtcttt 120
 ttctctc 126

<210> 23486
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909426H1

<400> 23486

agattcgtga tttaccattt accacaccaa aaccaatcgg atcgtttcct ctgcggagtc 60
 agaaatccat ggatccctac aagaatcggc catcaagcgc cttcaattct cccttctgga 120
 ctactaattc cgttgctccc atctggaaca acaactcatc gctgactgtt ggatctagag 180
 gtccaattct gctggaagat taccatctgg tggagaagct tgcaaacttt gacaggggaac 240
 ggatccccga acgtgttggt catgctcgtg gagctagc 278

<210> 23487
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909427H1

<400> 23487

0953113.039000

atttctctct gtctcgcgca catttacaca cctctcaa at ctttcaactta cagctttatt 60
 tgaatccctc tctctccttt ccaa atggcc agcgttgagg ttgcacatca aacaccaaca 120
 acagttccag aaaatgaaac aaccgaagta atcaagaccc agga aacaac cccggaacca 180
 gtaccagcca ctgaggctcc tgcaacagaa caagcagcag ctgaggttcc tgc 233

<210> 23488
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909428H1

<400> 23488

ctcgagccgc ttctcaatcg caaattttct ccccaaatc gtagatctac ggttaaattg 60
 cgtgtagtgt ggtaagatgg gaggaggatt tagagtgtt cacttagtta ggccatttct 120
 ctcgtttctt cctgaagttc aaactgctga caggaaagtg ccatttagag agaaggtcat 180
 atacactgtg atctctcttt tcattttcct ggtttgtagt cagctccctc tatatgggat 240
 aactcaaca acaggtgctg atccattcta ttggat 276

<210> 23489
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909429H1

<400> 23489

gccaacaaa gggctgcctt aaaggctcaa aaagaagctg aactgaaaga gaaggagagg 60
 gagaagagag caaagaagaa ggaaagaaga aagacatctt ctgctgtcac tgctgagaat 120
 acagaacaag aatctgctca taccacagaa actctaaca gtgtggaaga aagtgacctg 180
 actgagaaac cagctgaggt aacaaaaaag ccacagaaac catctcaatt cacaaggcag 240
 accaaggtaa aatctgtacc tgcagctctt cgcaaccggg 280

<210> 23490
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909430H1

<400> 23490

aaagtccatt cccaactagt caatagtcac ataaagacac acacataaga aaaatagtta 60
atggtagtga ggtagagagg gaaacagaaa caaataaaaac aaagcaactt tggcaagtaa 120
agagagcttg ttatcatggt agttgccacc atggcatggc gtcacaaggc ggtgcccaagg 180
gctgaagtcc tcggcatcct cgcctttgac gccggaaaaa ccatgtgccca cctaatactcc 240
ctctaccact ccctctccga caaagaaata accaagctt 279

<210> 23491

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700909431H1

<400> 23491

gcgacaaaga tcgacgatga cggacgaaac cgaagaattg gaaccgttgt ttgattacag 60
ccgggttcag cctctgaacc ccatcgacct cgatgatgat tttgatgatt acgaggatgt 120
gatttgcggt gatagtaaaa agaggaagaa ttcccaggct gttgggaatg agaagactaa 180
tgggaaagga gtacacagtg gtggacattg aggatgatga ttggttgctt cctccaccag 240
agatcgcaag taatgcacag aagacacgga cg 272

<210> 23492

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700909433H1

<400> 23492

gccaacaaa gggctgcctt aaaggcacia aaagaagctg aactgaaaga gaaggaaagg 60
gagaagagag caaagaagaa ggaaagaaga aagacatctt ctgctgtcac tgctgagaat 120
acagaacaag aatctgctca taccacagaa actctaacia gtgtggaaga aagtgcacctg 180
actgagaaac cagctgaggt aacaaaaaag ccacagaaac catctcaatt cacaaggcag 240
accaaggtaa aatctgtacc tgcagctctt cgcaaccggg cta 283

<210> 23493
 <211> 277
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909434H1

 <400> 23493

 gagcgagcga ggggttttgggt ttttgtaagg caaaagcagt gataccaatg gggagcacgg 60
 cgttgaggaa gacggaggaa gaactccgca acgagatcga tgagcttctt cgccaacagc 120
 gcgagattac ggagaggctt cgagatcctc gaggtcttcg cagaggttcc ttggcgggtc 180
 ctgctctccc ctctaacggt gctcgccaac gaccctttat tcgtcctggt actggagaca 240
 ggaatgattc tgaagatcaa ctctgctaa acgtcga 277

<210> 23494
 <211> 229
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909435H1

 <400> 23494

 ttcagctttt ccctcgttga aatgaaaatg gggtcttctt tgtggacttt gtgtctaatt 60
 ttggcttcac tagcctcttc tgcattctgt gcctttccac ggaggccagt ggatgttcca 120
 ttgggcagaa actacgttcc cacttgggct tttgatcaca tcaaatactt caatggaggt 180
 tctgagattc aacttcattc tgacaagtac actgggactg gcgtccagt 229

<210> 23495
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909436H1

 <400> 23495

 cagaaataaa aacgcattgcc ctctctctt tttgaaaaca ctttagtttc gcaaagttga 60
 ttctttctct ctttatcttt ctttcccca tttgtgagtg ttactgttga atcgattgga 120
 ttggcattag gttgatctga aatacgcaat tgacatggcg agcgcgattg tagaagacgc 180

gaacttcgaa gatgaccaac tagccaatat gacaccgacg acatcgtcag agctttctcgt 240
cttctcgaca ac 252

<210> 23496
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700909438H1

<400> 23496

cggaatctgt ctaaccaccc taaagatccg gcggcgagcc ccaaaaccaa acccttctta 60
aaggagaatc caaaattcaa ttccaacaca taaaatttct agtccgaggt tgcctataaa 120
aaccactttg gacccccttc gctcattgca gcctcaagaa tccacacaaa ctcagagaca 180
ggcagagaga gagagagaga gagagagaga gagagagaat gggaggggtgg gctatcgcg 240
tgcatgggtgg cgcttgtgtc gaccctaatac 270

<210> 23497
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700909439H1

<400> 23497

tgtgattcca tttttggaac actagaattht ataatccttc agcctctaata atttgatgg 60
cgaaagtggg tttttgatct gtatttgtga atcaattcaa agtttaacaa caaacaaaaa 120
tcaaagtact gcgtaatccc cccacccctc caaaagaaaa aaaagggttc agactttcag 180
gggtcattat ctaatttgtt ttgttttccg ctctctatca gaggggaattc gaacaaaagc 240
tctgtgctgt gagggccgat acagtggcta cag 273

<210> 23498
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700909442H1

<400> 23498

0053113-03600

agattccaca.acagtgggag ggagatccaa aaagagagag tggaaaagat ggcgcggttg 60
 atcacagtgg tgtggtgctg ggtggcggtg ctattatgcg ccgcggccgg tgcgtcgtgg 120
 gtggaggagg cggcgaaccc gatacgaatg gtgtctggcg tggaggcgga ggtggttcgg 180
 gtgatcgggg agtgccggcg tgcgttgaag tttgctaggt tcgtgagcag gttcggaag 240
 agttaccaa gcgaggaaga gatgaaggag aggta 275

<210> 23499
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909444H1
 <400> 23499

aacgaccact gaaacttcac ttatttcctt acctgtcacc ggggcatgtg atccctctct 60
 gcggcattgc aacactcttc gcctcacgcg ggcagcagct gacggtgatc accactccct 120
 actacgcca aatcctccgc aagtcaagcc cctccctcca actccacgtc gttgactttc 180
 ccgccaaga tgtgggcctt cccgacggcg tcgaaatcaa gtccgctgtc accgac 236

<210> 23500
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909446H1
 <400> 23500

tggtgcaatt gtatcactgt taagtaggct agcaattgag aaaacattgt cccaaaaact 60
 ggaagatgca cggagtgtg ttcaactaag agttgtaaaa gccctcaggg aatatcgaaa 120
 tctttatgct gtgcaacatc gcttggcaaa cagaatgata tatcctgagt ctttaaagtt 180
 cttaatgttg tatggattag ccctttgtag atcaacagct ttacgtagag cgtatggtga 240
 tgttccactg gatgaacgat gtgcagc 267

<210> 23501
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909447H1

<400> 23501

agcttccaaa ccctaact cctcttcctc ttcgatcatc acctctccac aatgccgcg 60
aagttcgacc cctcccagat agtcgacgtc ttcgtccgcg ttaccggcgg cgaagtcggc 120
gcggcgagtt ccctggcccc gaagatcggc cccctcggtc tctcccccaa gaagatcgga 180
gaagacatcg ccaaagaaac cgccaaggac tggaagggcc tccgcgtcac cgtcaagctc 240
accgttcaga atcgtcaggc gaaggtcacg gtggtcccc 279

<210> 23502

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700909449H1

<400> 23502

ggattttggt aaagaattct tgctttatag catattattg tggctcttga gcatctttta 60
tatgacaatt gtttctagtt atgccagcat ggtccaaatt gttctgcttc ttcttttatg 120
tatgcaagga aattctaata aaaactaagc agaattatg gacttaggtt taaaatcatc 180
ctacaaagct agatttagat aatcacagca aaaatcctag atgtttgaat cattcctttc 240
taacatccat attggcaaaa agatctgtac agtaagttg 279

<210> 23503

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700909450H1

<400> 23503

ctggggccct gcatggtctg gccaatcagg aggttctacg atggatcaga tcaatagttg 60
cagaatttgg aactcctaac ataagtactg aacaattggc tgactacatt aataaaacat 120
tgagtagagg ccaggttgtg cctggatatg gacatggggc tttacgccag acagatccaa 180
gatacacatg tcagagggag tttgctttga agcatttgcc taatgatcca tatttccagt 240
tggtgtctaa gataaaagag gttgt 265

agttgcttac ctttctacaa gagaagtatg aacc

274

<210> 23507
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700909458H1

<400> 23507

gaagtggaag attctcagca gagtctattg caaaactgaa agcaaaggct aactcggagt 60
gcaacacaac caaaatctca tcgttccaat cattatcggc acttgtttgg agatgcataa 120
ctcgtgcgcg gcgcttgccg tatgatcaaa gaacaagttg caagttgtcc gcaacaacag 180
aacaagaatg gaaccaccac tgccctcagga gtactttgga aactcaattt atacactgaa 240
tgcaggaacc gccacctcag ggaaattgct tgag 274

<210> 23508
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700909423H1

<400> 23508

gggaaagggtg attttccaat ggattgtccc cttcatgaca gtctgcttcg cgttcattac 60
aaggggtactg ttctcaatga agaaaagagg gtattctatg atacaagggt agacaatgat 120
ggtcagccat tggagttctg ttctggagaa gggcttgtac cagagggatt tgaaatgagt 180
gttcgtttga tgcttcctgg agagatagct cttgtcacat gccctcctga ctatgcttat 240
gataagtttc cgaggccatt aaatgtccct gagggctg 277

<210> 23509
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700909377H1

<400> 23509

aaaagggttc gtgcgttctt cctccaaagc ctttcatgga gttcacggca ctctctaacg 60

cttcccaact tgggagcatc aaccctcgca gaaccaacct tcaaagtta acacaaaccc 120
 tcttgctttt tcttagtttc ttcccttct tctctcgca gaggttgctc ttgcatagcc 180
 attctcaaca cccacacgcc cacctctagc ctgtggacct ccttccgctg attttgaact 240
 ctctgttttg ac 252

<210> 23510
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909379H1

<400> 23510

ctgaacaaaa tcatcacaca cacatactac tcagcaacaa ttcttctaca atggatctcc 60
 tcaactctgga aaagaccctc ataggtctct tctctgctgc ggtggctgcc atcgccgtct 120
 ccacccctccg cggccgcaat tcaagctccc accgggcccc ctccccgtcc caatcttcgg 180
 caactggctc caagtcggcg acgacctcaa ccaccgcaac ctcaccgatt tggccaaaaa 240
 attcggtgac atcttctctc tccgcatg 268

<210> 23511
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909380H1

<400> 23511

aaaacagcat cgaaccgctc gtagcagaaa aacttgctac catggtttct tccgacaagg 60
 atccacgaga ggatgtcctt caagcctggt acatggatga tagtgatgaa gatcaaagac 120
 tccccaccca caaagaacca aggagtttgt ctggttgac caacttgctg aacttgaggt 180
 ccttagctgg aaactagatg ctgataacca tgaaaatgat ccagagctga agaagattcg 240
 tgaagagcgt ggttacacct acatggatg 269

<210> 23512
 <211> 213
 <212> DNA
 <213> Glycine max

<210> 23515
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909385H1

<400> 23515

ccctgcagac cctctgacc ctctccttgt ggattggatc aaataccctg gaaaccccggt 60
 tttggtgcca ccaccaggca ttggtactaa ggactttcgc gacccgacaa ccgctgggct 120
 cacctccgaa agaagttgcg aatcaccata ggatccaagc tcaacaaaac aggcaatgca 180
 atgggttaat gaaactgaga cttcaagagc tatgagctcc aggagggt 228

<210> 23516
 <211> 176
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909387H1

<400> 23516

acaaatttct tcacagttct ctgaggcttt acgattgaac tcttttgaac cacatggtga 60
 acataaggag cagaattctg tgccattatc taataatgaa ccagatgtcc aagttttatt 120
 ggctggggaa gaacttctgc tgtgaatgca tcattctgtca tcagccattc agttaa 176

<210> 23517
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909388H1

<400> 23517

cttctctaac acacacaaaa tatctcttcc aatttcaatt tctcgtcgtc cctcatcatg 60
 gctcgtctcg cgatcgctgt cgcgcgcgtg ctctcgtgg cctctctcgc ctccaccgcg 120
 acggcgcgtc ctgcaggacc ttcataatct cctctactc gttccgcaac cctaactcca 180
 acaccttcgc caccatcacc gagatccgat ctttcacccc tctctacatc accgacaaac 240
 ccaccggcaa accctcct 258

<210> 23518
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909390H1

 <400> 23518

 gaaaaaaatg accaagatct tctttgtatt gctgttatgt ctgatcatag cagcttcttc 60
 tgggtttgtg aattgctttg atgttgaaaa gaaggaaaag attggaatat ttgagctcaa 120
 taaaggtgcc tttctttgaa ggtcaccaac tggggtgctt caattttgtc cctgggtgatt 180
 cctgataaga atggaagttg agtgatgtcg tcttggatat gatctgtag gatacactat 240
 gatacaca 248

<210> 23519
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909391H1

 <400> 23519

 cggtattcga tggcggcgag ctgagaaggg aagtggagaa aagtggaatt gacccaaaat 60
 tcattccaaa gatatggaag catatcctca tctctgcaa agatgaagat tgggattggg 120
 agaaacaagt cctccttgc cctcttcggc ctactctctc cttcgttcca acttcaaaac 180
 cctctctct tctctattc actccgtttt ccactctgcc gacaacctca ccaccaagct 240
 cctcatccag ctccac 256

<210> 23520
 <211> 233
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909392H1

 <400> 23520

 ctggtttgtc tctagatgga agccttggtta gtgaaattga aggtgaaagc gcagtcgaca 60
 ggctaaaaag acaagttgac catgacagga aacttatgaa tgctttgtat aaagagctgg 120
 aggaagaaaa aatgcttctg cagttgctgc aaatcaagca ttagccatga tcacaaggct 180

gcaggaagaa aaggcaacat tacatatgga agccttgcaa tacttaagaa tga 233

<210> 23521
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700909393H1

<400> 23521

gcttcctctg ttgctcgca cacgtcgttt tttctttttt gttgcttcgg agccaactca 60
acaacaacgc cgtgcctaata ccttaagaat aacgaattac aacaaccaac catgttgcat 120
tgtctcaaca ttctgttcg gacatcacag tcttggaag acaacgggaa gcaaccatca 180
agtgccagaa ccaccaacca cctacttaa cggactttaa cgccgtc 227

<210> 23522
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700909394H1

<400> 23522

ggagattatt ccaacttcca tatccactct catctactac atatatgcca cacactctca 60
tagtactcgt ttatctaata tctctctcat attatccatt ctgcggatat tcagctaagt 120
acaatacgt aataagatgac tgagggaaag ctagttgaag ctgcagaagc tcataagaca 180
cttcaggatt tcgactctcc aaagaagcgc gagaggaaca agtatgctta tgcttctgct 240
atgctg 246

<210> 23523
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700909395H1

<400> 23523

tgcaggttaag ctaagaaggg tagaagacta tctctttctt tcgctctatt taaggaacac 60
aaattttaca ggtgtagtaa cctgtttcac aaccaatac atgtcatgca catgttcaac 120

caaaatccgg aaagacccaaa ctgcatttac attttgctgc tgctaattaa ttcaattact 180
 ggctatggga cttcattcgc cgactcctcc taattaactc atcgacttc tttcatcaac 240
 tcatatttca cttacaaaac ac 262

<210> 23524
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909396H1

<400> 23524

cggctcgagg ttttattatg atgtgccctc aattgttcat caactacaag ctcaaattctg 60
 ttgctcatct accttggagg caaatgactt acaagtttct caacaccata attgatgacc 120
 tttttgcctt ttcattaaaa tgccaacact ccateggctt tctgtcttcc gtgatgatct 180
 tatctttgtc atatacttat accagagggtg gatttataaa gtggacaaga aacgtgttaa 240
 cgaatttggt tttggagggtg 260

<210> 23525
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909403H1

<400> 23525

tagtgacact gtttggtagc attcatgaga agctccccga gacaggagca ggaggaagca 60
 tgcgaacact ctgtttccaa attttggaag catgttcagc acagctgagc cgcattgttaa 120
 acatgaacag tgggatgaag agagcttaca aagggaaggt gaggactaca tgtcagatgc 180
 agctgatggg gactctgatg ataatttgca tagtccttta atctcacgtc aaacaacaag 240
 ccttgaaaaa gacttgcttc cccctccttc ccatggc 277

<210> 23526
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909406H1

<400> 23529
aaagccttag ccttccctac aactccaaac agaaagacat cgacatccat ggctgcctcc 60
gtctccactg teggagctgt caacagagct cttttgaacc tgaatggttc tggagctgga 120
gcttcagctc ccagttcagc cttctttggg accagcttga agaaggttat tgcctcaagg 180
gtcaccaaca gcaaggtttc cggtggaagc ttcaagattg ttgctgtaga agagaagaaa 240
gagattgaag agaccagca gaccgacaag gacagatggt 280

<210> 23530
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700909413H1

<400> 23530
gaagaatgtt ctgctggagt tttatgctcc ctggtgtggt cattgcaaac agttggctcc 60
aatattggac gaagttgcta ggtcatatca aagtgatgct gatgttgcta ttgcaaaact 120
ggatgcaact gccaacgata tccaagtga aacctttgat gtccaagggt atccaaccgt 180
gtacttcagg tcatcaagtg gaaagtgtc acaatacgaa gggggtagga ccaaggaaga 240
catcatagaa ttcatcgaaa agaaccggga caaacct 277

<210> 23531
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700909415H1

<400> 23531
ctccaccgtc cattgcaaag tcttgcgccc aatttccatg gaactgtaaa gacaggatag 60
ttagaagatt aaatcttaaa gcagtaagtc atcatggata aatcagagca gactcaacag 120
cagcagcagc aacaacagca tgtgatggga gttgccgcag gggctagcca aatggcctat 180
tcttctcact acccgactgc ttccatggtg gcttctggca cgcccgtgt aactgctcct 240
tccccaactc aggtccagc tgccttctct agttctgtc a 281

002230-CTF560

<210> 23532
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909376H1

<400> 23532

aaattggcgg cggcgggtggc ggcggcatag agtggaagta gtaaggatca atggcagttc 60
 cagggaggcg caacggcatg aacgacgacg aagaggaatt agacgacaac gcccttttcg 120
 aagaacaagg tgccgcgaag acgacgccga taccctctct cactctcgcg acctctcgcg 180
 cgccgctcag ctaggcgacg gccaggccct ccgtatcgct c 221

<210> 23533
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909416H1

<400> 23533

ccatgatggg tgcttctctc ttctaccttt ctctttctct ttccctcacc ctaaccctct 60
 cctccgccgc gcaccacaaa cccccccact caccgtccaa gccaccgggt aaccccgccg 120
 tgaccgccgc ctccccggca atcgaacaag cctgcgccgc gacgctcttc ccgcagcaat 180
 gcgaacctct ctctcccaat ccagaaacct cctccgaac ccgacccctc tccagctctt 240
 ccagtccgcc atcgccctct cctccgataa cctcgccacc gcgca 285

<210> 23534
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909417H1

<400> 23534

ttttccctct gtcttcccc cctcctctac acaaaaatat atttttagca tggagaaggt 60
 gaattttgtg aagaatggag agcttagatt gcctccgggg ttccgtttcc acacaacata 120
 cg 122

<210> 23535
<211> 52
<212> DNA
<213> Glycine max

<223> Clone ID: 700909418H1

<400> 23535

acctttgcaa accctttcca acaattaagc aaacaattgt taaacgatgg aa 52

<210> 23536
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700909338H1

<400> 23536

gatccggctc gacatcgcta ctctctctct ccaagaaaga atcatcactg gcgattcaac 60
acgacgacga tctcaaagac gagaagaaac cgcgacctct cgacgaagat gacatcgccc 120
tctcaagac ctacggtttc ggaccttact cccaagcata aaacaggcta agaaggaaat 180
caaagatatg gccaaagaaag tgaatgactt atgtggtata aaggagtctg atactggttt 240
agctgcacca agccagtggg atcttgtttc tgat 274

<210> 23537
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 700909340H1

<400> 23537

aaagagcgac gcgacgccta ttttgtttca gacaaagttt tgttgcaaag caaaaactac 60
tacgaggagc tttcctccat acgaatcaaa ggaggagaga gagagagaga gagagaggag 120
acacagacac aaaggaaacg aaaaagcaac acacaaaaaa aaagaggtct gtgcctcctc 180
ttatatgtaa tagctagttt ccgagacaag aaaaaaata agagtaaaaa gagaacatgg 240
attatgaaaa caacagttgg atttgggagg g 271

<210> 23538
<211> 129

<212> DNA
 <213> Glycine max

<223> Clone ID: 700909341H1

<400> 23538

tttctcactt ctcagcactc agcagcgata tcagttgaag aaacagaaac aaacaaaaga 60
 ggcagaagat gttgtgggtg gacaaatata gtcccaaaac cctcgaccag gttatgggtcc 120
 acacaacat 129

<210> 23539
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700909342H1

<400> 23539

ccttggagtg caatttcctg gatcaactct tccaaaccat ggctaatacat ctactgggtga 60
 aggattcttc cttgggttgat atgtgcatgg ttttgggtat gcccttggcg gatgcagctc 120
 tttcatgtcc ttaagtcaa tcattgtagc accatgcctt ggtgactaga gaggccttgg 180
 tgggtggagtt ttccctctac catgttgcaa tgggggttagg acctanacaa ctaggccaga 240
 ccaccccaga tcgtcaaggg gctttagtag 268

<210> 23540
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909343H1

<400> 23540

ctcgagcgaa tcggctcgag gaaaaattag ccccgaaaa ccgtcacagc ttcgagtcac 60
 aacggtcaaa aggagttcga gtgggatcaa acccttgacg aggtcaatat ttacatagct 120
 cttcctccta acgttcattc cagcaattct actgtaagat tcagtccaag cacctcgaac 180
 ttggcatcaa aggcaaccct ccgtatctca accatgatct tactagcccg gtgaagacag 240
 attcttcttt ttggacctta gaggatgaca t 271

<210> 23541
 <211> 178
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909344H1

 <400> 23541

 catcgcacca acgatcccat gtcccaagac ttctctacga gaagatcaca gtgtcacata 60
 gggctaggca aaatgtccga gggtaatgcc aagaggggac actgcatgc cagcattggc 120
 gtctcaacct tattgtaggt gctatggtcg tggcgatcac aattaggtcg gtccgcat 178

<210> 23542
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909345H1

 <400> 23542

 aatcaaactc attctgtctt ttcttctatt tttatttcta tccaatcatc catggccgag 60
 gaaccccaaa aaccagcctc cgctgaagaa gtggtcgctg ttctgcgga gaaccacca 120
 tctgaagccg aagctgaaaa ctgaagcag agaaggccca gagtggtgta gaagacaaga 180
 tttcccagtc ggtttcgttc aaggaggaga ccaacgtggt tggcgacctc cccgaggcgc 240
 agaagaaagc cttgatgag ctcaagaagc ttg 273

<210> 23543
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909346H1

 <400> 23543

 actaaaacaa atgtatcctc tcttgtgctg gtgaaaatca tgtacatata tttcaggact 60
 atttagtaat agatgatgga tttttgctct ggtatgttgt tttccttcct gtaccatcta 120
 tttccatttc aatggtttgt tcctatcctt ttagctgccc cattaaattg ggggctatca 180
 agacttggtc ctttttctcc tacatttaac ctttacacaa ggaatgctcc tgaaaatt 238

<210> 23544
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909348H1

 <400> 23544

 ggatctagct gactacatac gtgctgattc tgaagttctt caccaagaca gtgtagattc 60
 tccagattca gattatcaaa tggcttctgg acaggcacat cgatcagata atgaatctgt 120
 ggaggaagga gcactgccca attagaatca agatttgata atgcaaatat gtctacgtca 180
 gtccaagatg cagatgaaat gtttgattct gcggcttctg atgccaccca tatttcttct 240
 aatggttccc tatggctgcc cacggattta 270

<210> 23545
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909349H1

 <400> 23545

 gacatgttcc cacaaaccct aatattgttc tcagcactca taatcctctt ccatggagat 60
 ctctgtcttaa gcacaacagc accagatgat atccacgatg ttctccctca gtacggtttc 120
 ccaaagggtc ttcttccac aacgcggtct cctacaccct ctcccccgac gatggcttct 180
 tcaccgtcca gctcgatgcc ccctgctacg tccactggga cgaccaatta gtctactacc 240
 acagccaaat cagtggcact ctcacctacg 270

<210> 23546
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909350H1

 <400> 23546

 aatctccata ctgtctgatg ctggtcttgg aatggctatg ttcagcttgg gtctgttcat 60
 ggctcttcaa cctaagataa ttgcatgtgg gaactctgtt gcaacatttg ccatggctgt 120

tcggttcttc acaggtccgc cgtcatggca gcagcttcca tcgctgttgg cctacgtggc 180
 accctcttgc gtatagctat tgttcaggct gcactaccac aagggtattgt tccatttgtg 240
 tttgccaagg agtacaacgt ccac 265

<210> 23547
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909351H1
 <400> 23547

ctctgaatcc aattcattct tcttcttgtt ctttgttagg caatacaaca tttattacgc 60
 atactcaaag tagcttcgaa gttcgtattt ttattggcat atcatggaga ataataatca 120
 gtcgttttgg caattcgtga ccagctgagg ttacaggcat ctaatttggc gaacctttct 180
 ctaaacgatt cgatttggag caacagttac atctccaaga ggcgtgatga aaggattaat 240
 tttgacatca aagttgggg 259

<210> 23548
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909353H1
 <400> 23548

ctctctctct ctctctctct tttctctgtg tgtgtgcgtg gattggtgaa tttgagattg 60
 aagaagatga tgcaggctgg acccggcggc atggcccaac aagcgaacca gcaatacgca 120
 cagcaacagc aacaacacaa caacaagcct acatgatgat gccgccgag cctcagcccc 180
 ctcagatgtg ggccccatcg gccagcctc cgtcccaatc ggtagctcct ccgcaaccca 240
 ccagcgccga tgaggtccgt ac 262

<210> 23549
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909354H1

<400> 23549

aaaacgagaa gagagagaga aagacaaata gaagaagctg catttgcaga gacgccctga 60

gagagagaat tggaagggtg cgacgagtga tgatatacac atattgtgac ggtagtgaaa 120

tcgaggaaaa agaggatcaa ttgctgagtt gcaatgagta acgaaaaggc tccttcatca 180

gcttcttcga gtagctacga gttgagcaaa ggcatcaatg gcctcgacaa gggtattctt 240

cgcgacgcac gtggtagctc cgctgagg 268

<210> 23550

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700909355H1

<400> 23550

ctcgagcgaa tcggctcaga accgaacaac attctctgag tttatgggtt agcaatatct 60

tattcagaat ttgctttctt tatcagtttg agatcaacat tagattctta tggttcaga 120

gtctggaaag gacggggcgg cgctccaagg aagcttaaat ttaaaccaag agctccacct 180

cgctcgagtga taaagcaaga agttaagct gaagtggctg atgatgttga tgctgatgct 240

gatgcagaac atgctgctaa ggaga 265

<210> 23551

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700909356H1

<400> 23551

ccacatcact ctttctttca aatctagggt ttctctcttc tgcaaccatc aatgtccgca 60

atcgcggtc cccaacacag atcctcggag acagagtcct acgtggacaa taagcgcaag 120

gaggatatcc gccatgcaac atcgtaggag cagctcagc cgccaacgag gttcgacca 180

gtctggggcc taagggtatg gacaagatga tctccacctc ctccgacgag atcatcatca 240

ccaacgacgg cgccaccatc ctcaacaa 268

<210> 23552

<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700909364H1

<400> 23552

agacgacaac ggcaacgtca aactcgactg ccccgccatt ggcaaacagt tcgctgccga 60
ggaaatttct gccaggttc tgaggaagct tgttgatgat gcttccaagt ttttgaacga 120
taaggttacc aaggccgttg tcacgggcat gcttacttca atgactccca gaggactggt 180
atcaaggatg ctggtcggat tgctgggtcta gaggttcttc gtattatcaa tgaaccaacc 240
gctgcatcct tagcctatgg ctttgaaaag aagaacaac 279

<210> 23553
<211> 112
<212> DNA
<213> Glycine max

<223> Clone ID: 700909365H1

<400> 23553

aatgagctga gtgtaacact tgattaccat aagctaagtg ttgttcatgt gctacactca 60
gctcatgaac aacacttagc ttatggtaat caagttctac aattcggaga ac 112

<210> 23554
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700909366H1

<400> 23554

caaccttatt caatgactgg ttttggttct ttaacggaaa acctgttggt ttgatctcca 60
agaaatcttc tatctcatgt aaatcaacag gagcaaataa tactttctaa agagctctct 120
gggctacaac cagaacagct cgccatgctc ggcgctcgcca aggaccttgg cgacgccgtc 180
ggcttcatga cgggcctgct ctgcgagatt ttgcccatct ggggcgcgct tctcgctggc 240
gctgctttga acgtcgtggg ata 263

<210> 23555

<211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909368H1

 <400> 23555

 tgcagtctta cccgcataag atactcaccg gtaggagggg caagatgcat accatgagggc 60
 agacaaatgg cttgtctggc ttcaccaaac gttccgagag tgaatttgat tgttttggca 120
 ctgggtcacag ctccacacta tttcagccag acttgggaatg gctgttggga gagatctgaa 180
 gggaagaaag aataacgtgg ttgctgttat aggtgatggg gccatgacag caggccaagc 240
 ttatgaagcc atgaacaatg ctgg 264

<210> 23556
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909369H1

 <400> 23556

 atatcccccc ctagctacag agcagccaaa ggggaggaat aataataagc ctatattcta 60
 aggccggaaa aataaaaaag gaataacaaa aatgtctgga aaggtaatta tctcggtgt 120
 ttctctcatc ctgggtgttg agtggccata ggtgtggtgg tggccgtcaa caagaagggc 180
 gaggatccca cacttcaatc tcaacaaaaa tcagtagggg ttatctgcca aaacactgat 240
 gaccagaagc tctgccacga aa 262

<210> 23557
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700909370H1

 <400> 23557

 tncgagcgaa tcggctcacc ctctttctct ttctctgcac aacctgcaca ctctgcactc 60
 gatcaaacag aaactggcaa agaattgtggg gatccttgcc attgacatct acttccctcc 120
 cgcttgcggt cagaggaagc attggagact catgatgggtg ccagtaaagg gaagtatacc 180

attggtcttg gacaagattg catgtcattc tgtaccgaag tagaagatgt catctcaatg 240
 agtttgacag tggttacttc t 261

<210> 23558
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909371H1

<400> 23558

accaaaacca gcaccacccc cctctctatc tcttttctcc cttgttgccg ttgaacttcc 60
 ttaacctaaa aatgtccaat tctatctccg acccgacccg aataattcac tctctactc 120
 cgaataccac cgcgggccctc aggttccgct tcggaacctt tcccagggtc ggaacagaat 180
 ggattctcta caacacttcc tatctcaatc catcaatacc aacactctcc tcaccgtcga 240
 tcaaatcgcc atggtctcca gccca 264

<210> 23559
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909336H1

<400> 23559

gttatcaact tggagcacat caaggccatc atcacgccc aagagctcct cctcctcaac 60
 tctcgcgacc cctccgtcac ccccttcctt catgagctcc aggcaaggat catccgccac 120
 cacaaccagg ctgatgctgc cccaacccca accccaacga cgccatcaag attcttcctt 180
 tcgagttcgt ttcctcagag gcctgtctgg aggctgcttg tagcgtcttg gaaaacgagg 240
 ctaaaacctt ggagcaggag gctcatcc 268

<210> 23560
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909374H1

<400> 23560

0959113-032200

<223> Clone ID: 700909295H1

<400> 23563

cccaatcgca aattttcttc cccaaactgt agatcttcgg tttaactgga gtagtgtggt 60
aagatgggag gtggatttag agtgcttcat ttagttaggc cgtttctatc gtttcttctt 120
gaagttcaaa ctgctgacag gaaagtgcc tttagagaga aggtcatata cactgtgata 180
tctcttttca atttctggt ttgtagtca 209.

<210> 23564

<211> 263

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909296H1

<400> 23564

ctgctttaca ttacattacc tctctctcac tcacaggtct gctcttgccc tgctttacca 60
tccagttatg taaggaanna aaaattacct gaggtgggtc aatcgctatg gaatcctgca 120
attggattga ccacaaagt ccagctgatg acttattgat gaaataccaa tatctctctg 180
ataactacaa tgccttctgct tatactctcaa tccctaggga gcttatctac tatgttaaga 240
aatcagcagt attccatat aga 263

<210> 23565

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909302H1

<400> 23565

gctcgagtgc aaagcgcaaa ttaaagcgca aaaaccattc tccttcggtg ctcttgaaaa 60
catgggaaaa cagagcacag aattctctgc cctcaactgc atcgacctct ccaacctga 120
catcaaccaa tccgtcaatt tactcaaaca ggatgtttgg attccggttt tttctacgtt 180
gtcaatcatg gaataagcca ggaattcatg gaagaggttt ttgcacagag caagaaattc 240
ttctctcttc ctcaca 256

<210> 23566
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909305H1

 <400> 23566

 gagattttga ttggtgtttg gctcccaaat tcccaaaaca gtgatggttt caagtaaaag 60
 aaatgttttt ggcaccaagg gggaaatggg tatagatttc atggttttgg tgttatcagt 120
 gtcattggttt tgtttgacta gtattgtgtc tctgctacaa aacaagcata cccgccaaca 180
 ccacaaccga accagaactt aaggtttgac caaatggag aattcaagat attgcagggtg 240
 gcagatatgc actatgcaaa tggcaagacc a 271

<210> 23567
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909306H1

 <400> 23567

 cttggcatcg cttctcctct ctccaagaa agaatcatca atggcgattg aacacgaaga 60
 cgatctcaaa gacgagaaga accctcgacc tctcgacgag gatgacatcg ccctcctcaa 120
 gacctacggt ttgggacctt actcacaagc ataaaaaagg cggagaagga aatcaaagat 180
 atggccaaga aagtgaatga cttatgtggt ataaaggagt ctgatactgg tttagctgca 240
 ccaagccagt gggatcttgt ttctgataag ca 272

<210> 23568
 <211> 278
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909311H1

 <400> 23568

 tgtgaagcgt ggtggggagg gtgagaatcc tgaagattat gttgatcccg agactccatc 60
 gggtgagaag aagcgtatgg ctcggcaa at ggccaagcaa tatagtccaa ctgccgtgga 120

gaaatcgtgg tatgagtggg gggaggatca cagtattttg tggcagatgc taacagctcc 180
aaaccacctt ttgtcattgt tttgccccct ccgaatgtga ctggtgctct ccatataggt 240
catgctctaa cagccgcaat agaggatata atgattcg 278

<210> 23569
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 700909313H1

<400> 23569

caagaggaaa gaaggcaaga ctgaagacga tgattgagac agtgaacaca acacaacacc 60
ataaccttaa acctcttctt ttctaatttg ccatgtatct ctgtttcatt tctctgttac 120
atactctccc tccaatgtag taggagaaaa caagcaactt ttttttgccg ccaatcgcca 180
tggccaccac caccaccaa tggagtcca tttctttctc tctcatcctt ctctccattg 240
ccctcttcca aaccctaacc cccaattccc atccgccgc 279

<210> 23570
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700909315H1

<400> 23570

ctctcttcac atatcatcat actaagatag tcagatacat cacccaataa ttaaattaaa 60
tacatgctag cactttaaca gtactccttt ctctaataac tctctcatat tttcctttct 120
gcggatatcc agctaattaa actaagtcct aagatgactg agggaaagct agttgaagct 180
gcagaagctc ataagacact tcaggatttc gatcctccaa agaagcgcaa aaggaacaag 240
tatgcttttg cttgtgctat gctggcctcc atgactt 277

<210> 23571
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700909317H1

<400> 23571
 catgggtcac gtcgttttcg ccttgccaa caagaatgtc tcctaggcca tgcacaagga 60
 tgtctcggat ttgcagtggc tcggtaccct tctctcggct ccctctgcca ctgccactgc 120
 cactgccact gcccgtaatg ggtcgtgat gccctcgtg tcctctctga gtccaaggag 180
 gtccctcatg attggatcac cgatgccgtc attgatcagg ttcttggtga tatagctttt 240
 cagaaatttg gaaaaggttt aatttcat 268

<210> 23572
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909318H1

<400> 23572
 ctagggtttg atttcgttgt tcgattccga accaataatg cgacgcgaac gttaatggag 60
 aaagaaggag atgcattagt ggatcctctc gccagctatt ggggactttc cctctttcct 120
 caaccatctc tcccaccctc caaccctaca actcagacca agatcttcac atcatccaca 180
 ctcacctcag atccatggcc ttgcggagtc ctgcgaaact gatgcagcag gccaaatcca 240
 tagtggatgg taaccctcaa ctgttcaaca ctg 273

<210> 23573
 <211> 178
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909319H1

<400> 23573
 ctccatatct agaaatgtta cttcttccat ggcacatgaa ggctggctcc atgtgtgaat 60
 ttgccacgaa ggagtgaact gcaggcctac gatcttccgg gattgattct acggtatagt 120
 cccgagctca ggtaccgaat atcgctctga gctgactcat gatcaggaat tccgtgag 178

<210> 23574
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909321H1

<400> 23574

gactctcaca cagctcctga gaatcaagac caatactctt ctagaagcaa tgcagattaa 60
 aagagaagat aacatacaaa tactcaaaaa ttttcttcag catttcaagc aggttaagga 120
 tctgagtatc aaagatttga tggggagaac gtagaagaag aggaccctaa catggctgtg 180
 aacttgctaa ctgtggcaag cactggcaat gctgcttttc ttgaggagct tctaagagca 240
 ggtttgatc ctgacattgg agactccaaa ggg 273

<210> 23575

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700909323H1

<400> 23575

ctctctctct ctcacctttg ttatacgtct tctccttttc agttctcaga ggtcacgacc 60
 accactacac accgcaccat aatcttgga attagcgtct gaaagagttc aaaggacttc 120
 cgtagattta aattaaatat gaatatttat ttcttctcct tgtcactttc aagattatga 180
 agaggaagtt cacacagcta cgggagctta tggggtttca aacatcgcat agcactaaac 240
 ggataccaca gccaattttc agagca 266

<210> 23576

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700909324H1

<400> 23576

tcagaattct ctaaaagaga tctttttctg ctctttgaag aaagaagggt ctttgcttga 60
 ttttgagat gtctctgctc tcagatctca tcaaccttaa cctctccgat accaccgaga 120
 aggtgatcgc agagtacata tggtcggtgg atcaggaatg gacctgagga gcaaagcaag 180
 gactctccca ggaccagtta gcgacccttc agagcttccc aagtggaaact atgatgggtc 240
 cagcacaggt caagctcctg gtgaagacag t 271

<210> 23577
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909326H1

 <400> 23577

 gtttcttggtg gttccatttc catctttttg ctctgtttct gacacaagat ggtgaagaga 60
 gtgaggtctg attcgggtcc attgtctctg caaaagcaca accattggtg tgtgaagtta 120
 ggagtttcaa tcttcttggt gggctcgctt ttcgtcttct cttgtgggat tcattcagtt 180
 tctcatcggt ggtagtggag acacctcttc ctctggaaga tgcaaaagca ttgtcccctg 240
 ttttctcttc ctccgttctt caggattctg at 272

<210> 23578
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909327H1

 <400> 23578

 gtcccctacc tttcccacag gttaggcctt cgtctttatt acctgacctg tgctaccacc 60
 caatcacctt tccttccatt atttcattcc attccatata tcaccattca ccaacaccaa 120
 cacaaataat aattcaatta actgcacaag atactccaaa ttagaagctt gtagttgttg 180
 ataaactttg attggtatct ccacattttt tgtggtagag ttgttgggaa aaaaaattca 240
 ccaaaaaaaaa agaaagaaaa aagcatagag agaaag 276

<210> 23579
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909329H1

 <400> 23579

 atcaaactca tttattcaaa atctcttcaa cacttccaat cgtatagttc tcgtcttgca 60
 agattagtcc cagtaatggg ttgtttgtat tttcttagaa aggacacgat ggaagaaaag 120

<223> Clone ID: 700909335H1

<400> 23585

```
gccattacca cctcttcact ctttctctct cttcccaaac taaacataaa catacattac   60
acattttctag ggttctctca cacaccaaga ttctcctagc tgcagctgaa ggactgtgaa  120
gatgttggag aaagttgaaa atttaacacg gagaggatga tggaggaatt tgagaggggtg  180
acaaaggatg ctgagaggat tcaaaggga accctgaaga ggattttgga agataatgct  240
tctgctgagt acttgctgaa tttgggct                                     268
```

<210> 23586

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700909293H1

<400> 23586

```
aaagcactat ggtgaagggg gtcaagtcaa ttgcccaaga tgtctcttcc aagcccaaga   60
ttgattcttt agctctcaag aagaagctaa acacctcaat caagcaccgc cctgattcta  120
agttgaagtt tgtcaccact acagtcacaa aatctgaggt gaaatcaaaa ccggttaacta  180
catcatcagc atcgtccaaa acaataacaa agacaactac taccaaaacc aaagtgagag  240
agaagaaagt ctatagtctg cctggccaga aacat                                     275
```

<210> 23587

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 700909266H1

<400> 23587

```
caataatgag tttgatagct tgcaggacgt gcgttgcttc tttgatggcg gagtttatct   60
ccctacagat gtactcagca aaattagccc cataccggtg ctcaaagaaa tcttccgcac  120
tgatgggtgag ctagccctca agtttccacc acctcatgtc atcaaagttc gtgagttctga  180
atggatgact gatgaagaat ttggaagaga gatgcttgct ggtgttaatc ctggcatgat  240
tcaacgcctt caagagttcc ctccaaagag caagctagat cc                                     282
```

<210> 23588
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909267H1

 <400> 23588

 cctctctcta tctctcacac acactttctc tctctctctc tctcaccag atctttagc 60
 aatggcgagc gctccactc cacgcgaaga gttcgtgtac atggcgaact gtgcggagca 120
 ggccgagcgc tacgaggaga tgggtggagtt catggagaag gtctccgcct ccgccgagag 180
 cgaggagctg accgtggagg agcgtaacct cctctccgtc gcctacaaga acgtgatcgg 240
 cgctcgccgc gcctcctggc gcatcatctc ctcaatcgag cagaa 285

<210> 23589
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909269H1

 <400> 23589

 ctttatttca gcattttcca agtcagggaa tgttgatgcc atgatagctt ggtactcagc 60
 gaagaaggct gccagacttg gtctgatct tcaaagtgtt gaatccctca tatcaggctg 120
 tgttaattct agaaagttaa agattgctga tagaattttt gaagaaatga tgatttctgg 180
 aattgttctt agtgcttcca taattgagag tatgcttaat gggatttgca agcaaaagag 240
 attgggtcgg gcagaggagt ttttcacggt tgcatggat 280

<210> 23590
 <211> 173
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909270H1

 <400> 23590

 ggagaataat ggcattcttc caagtgagtg tcaggcggtg gattttaacc tttgctatcc 60
 ttacgtttg tgtatttggg aaaaactttg gaaatgctga tgaggatgag tccgaggcac 120

agacaggtgg tggtgggtac ggtggtgtgg gaggtgggtt tggttgttct tgg 173

<210> 23591
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700909271H1

<400> 23591

ctttagggat gaaaattaag actgacacac ctgtggcaaa gaaggctaga gaaggagtga 60
tgagagttttt attgatgaat catccattag attgcccaat ttgtgatcag ggtggagaat 120
gtgatcttca ggatcagtca atggcatttg gctctgatcg tggacggttc actgaagtga 180
agagatctgt ggttgataaa aatcttgac ctctggtgaa gactgtgatg actcgggtgca 240
ttcaatgtac aagatgtgtt agatttgcaa caga 274

<210> 23592
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700909272H1

<400> 23592

gaattaggggt tttccaattc acagagcaac gcaacgaacc atcaatggcg cagctcagcc 60
gcagtcgcag ccgcagcacg ggcaagcagc gctggagcag gtgcagtgtc tcggtcgcta 120
gacgaccgcc gtggccgtga cctactgcaa gcgcggggcg ggtctcatca agatcaacgg 180
ctgccccatt gagctcgtgg agccggagat cctccgcttc caaggccttc gagcctatcc 240
tcctgttggg taagagccgc ttcgcccggcg tcgacatgcg 280

<210> 23593
<211> 157
<212> DNA
<213> Glycine max

<223> Clone ID: 700909273H1

<400> 23593

gcaaagggaa ggaaaagtac cttccccaat aacccttctc tccgatttgg cttctctcat 60

ggaattcggc tcgcggagaa atgcaaatca agtatttgca tcagagaaag gagaaggtag 60
cagtgttggt ttctcatgag aagcaccact tatgaggaaa gagtcaagaa tgtccactcc 120
ttattgttgc catgctatga agctcaaate cagggatgtt acaacagatt gtgagcttgg 180
aagtaatgag aaatttgggt tggagaagaa actatgtaga caagatagga ttgagttggg 240
tcggttggtt cagagtgcag tgagttccca tgactgggaa cttgctgaaa g 291

<210> 23597
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700909278H1

<400> 23597

aaagagtgtt tcagatcccg aaccgcatcg tacggtacca caagtacgag ttacagttat 60
agtcacgggt agtagcgta cgtngatcag atcagaattg tgatcgtgga tcgaagcaat 120
gttcaaattc ttgaaagagg tggtgagtgg atctggcacg ggcctcaaag atctccata 180
caatatcggt gacccttatg cttctgcttg gggctcttgg cttcattttc gcggcacctc 240
caaagacgat ggtacccggt gtccataatt tctc 274

<210> 23598
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 700909279H1

<400> 23598

aataattggc agatggcact tcgttgcttg gtgatgtccc tttctgttct cttcactctt 60
ggtcttgcca gagaaagcca tgccagagac gaagattttt ggcatgctgt ttggccaaac 120
actcccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag tgttgaaatc 180
gatgatcacc ctatgcaatt tgaagaaaca cagtaccgga aaaccttctt ctatagagaa 240
gacttcatcc aggcaaaaca ttgaggtaca attcagc 277

<210> 23599
<211> 283

095313-03200

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700909281H1

 <400> 23599

 cttcccgccg cgcgcgcgcg cgtcagcgtc acaccaatgg cagacaccat cttctctgcc 60
 gacggatcaa ctgcgcgcca tcacctcga cgagggtccc aaagctaatt tctccgaccg 120
 cgtcccatc cgatccatca tctccgcac cgacggcggc tcgggcctcg ccggcaggaa 180
 agcgcgcggtt ggcggtggg tgaagacggg acgcaaagcc gacaaggacg ctttcgcggtt 240
 cctggaaatc aacgacggaa gctgcgcgcg caacctccag gtc 283

<210> 23600
 <211> 277
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909282H1

 <400> 23600

 ccaaccctgt ttgaaattca cctgtgcttg ttttctcct acttcacact tctgatctca 60
 tctctctcac acctcacctc gttttgcttt ttttactttt gaatgttacc atcttaattt 120
 tttctctttg ggtatcttca caaagcaaag aaattcactg agaaagccaa agccaaaggt 180
 gatgatggaa taataagtac aaatgaaaga tgaacaggaa atattgaatt gggatcaatcg 240
 gatctaattc atcgagtata agtaggtaat tcacaaa 277

<210> 23601
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909283H1

 <400> 23601

 ctcgagccga aagaagaata aacactcgag aaatttctca cttagggttt ggatttttca 60
 cgtaatcttc tctctccgtc acttcatctc acgcgatctc gttccgatcg cacgcgtttt 120
 aatgatcgtc gtcttccgcg gcctctgatt cggctctgat cttcctcgcc gcacctctcc 180
 gcacctctcc gccggaacca tgatctccgt gcagggcgac ctccaccgcc accacca 237

<210> 23602
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909284H1

 <400> 23602
 gcgaaatata cctcattatg tgattatctt gtaatttcac agttttattg ttatatatatt 60
 ccagggtctt tctgaaggaa cattttcttg attttcaatg ggaggaacaa ctttgatttt 120
 ttttcccgct gaaggaaatt gtaaaccaat atctatggca agaaacaagg agagtgaatt 180
 atgcttatga cttaccaata aaaaaaccta gtattctttt catatcaaaa aaaaaaaaaa 240
 agggcgtccg ccga 254

<210> 23603
 <211> 225
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909285H1

 <400> 23603
 aaacggcatt tattgagata ggtcaacgag ttgcatttgt tagtatttat ataccttttc 60
 ggcatgtttc ctgctgttat ggtatatgtt gcatcaatct tcacatgaaa tcttcgctga 120
 tgcattctaa taagagtaac tatattacct agggtaaata tcttattgag acctatcatt 180
 tctctttttg tttattctct taatacttaa taatatttat cacat 225

<210> 23604
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909286H1

 <400> 23604
 tttgctattg ctgttactat tgttgttggt gctgttcttg aaggtttacc tttagctgta 60
 acattaagcc ttgcttttgc aatgaaaaag atgatgaatg ataaggcact tgttcgtcac 120
 ttggctgctt gtgagacaat gggatctgcc actactatct gcagtgacaa gactggcaca 180

ctaactacta accatatgac tggtgtaaaa gcttatatat gtgggaagat taaagaagta 240
aatggttcta aggtctactc tgatttctca tctg 274

<210> 23605
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700909287H1

<400> 23605

atcccattta atttaaagag agagaaaaat acaaacacaa agaaagagca ttagaaaaag 60
aggattaagg aagaagaagg agacgccgga ccaagcgtcc gtgtttcatc tttggtctcc 120
tctccttctt cttccccgta atcctccctt aaatcatcat cccatattca caaatcacaa 180
tcattaattc ttagattaat tgcattcgag gtattttctg ctttcatgtg tcgtaattgt 240
tcatgatttt gtccttaaaa taatcctcat tctggtttca 280

<210> 23606
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700909288H1

<400> 23606

ctagatgagg acaagaagaa gaaagatttg aggaatgaat cactccaatt ggcttcaaag 60
gaacaaaaga tagctgatga gaatgtcttg aggcttggtg aagagcaaaa gcgagagcga 120
gaggaggcct ataacaagat acttcagttg gaaaaacagt tagatgccaa acaaaagttg 180
gtaatggaaa ttgaagagtt aaaagggaaa ttgcaagtta tgaagcatct tggagatgaa 240
gatgacgcag ctgttcagaa tgcaatagag gagatgaatg t 281

<210> 23607
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700909289H1

<400> 23607

095113-092000

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700909263H1
 <400> 23610
 cacttgcctt atttttggtt ttgagattga gctaaaggcc aactcaacca tcgaatttgt 60
 tgggtgattga aagagaagga agaagaagca ggaaatggaa gcagtgagag ctggctcgaga 120
 aggagcaata ggtctaggtc aaggtgatgg cgtagcaagg acagcactga gactgaactc 180
 accaaaatcc gtctcctcag ggcaattggt gaaaccctg atccctcttc caaggtaaac 240
 cacactattc ttgtgcctca acctctatag gtcaattagt c 281

<210> 23611
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909229H1
 <400> 23611
 tagtgtggtc tgcaactatg agcaaggatt atctaatac actttctctc cttctttcca 60
 cgggtgcttgc aacttgcaat tcttcttctt cttcttcctc cctctatctt gggaagggtc 120
 tctcccatcg caaattgtct ccagttatc acattcacia aaccattgac gaatcctatg 180
 cagttatctt cgatgctggt agcacgggaa gccgtgtaca tgtctatcgt tttaaccaac 240
 aattagatct ccttcgcatt ggccaagacc ttgagttggt tgtcaag 287

<210> 23612
 <211> 293
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909231H1
 <400> 23612
 cgctcttctc ttcaccgtct ctccatcctc tatccttcac gcctattgta acacgaagaa 60
 aagcacagta actgagagga cacgatgggtg aagaagagca agaagagtaa gagcaagagg 120
 gtttcgttga agaagaagta caaggtcata aggaagggtga gggagcacia caggaagaaa 180
 acgaaggagg cgaagaagct tcgcttgagt gggaagaaga aggttgagaa ggaccctggt 240

095113.03200
003300"CTT560

attcccaacg attggcgctt cgaggagcag gaactcaaag cgcttgaagc tcg 293

<210> 23613
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 700909233H1

<400> 23613

gcctatgaga gtgaactctt tgaaggatgg agcagaacgt tcggttcggt taggaatgaa 60
ttcccatcag tttgatcgca gccttagagc ggatcgcaag accacaagga agggcagcca 120
aggtgttgca gccacaagga ggccatcaac tgcttctact catgctcgca gaagtgtgga 180
ctcaccacaa ctgtccaagg gcaagcagac tctcctgcca ccaactagaa ccaaagtatc 240
agcccaaagt cggtatcatt ttgattctcc cagcaaagta tt 282

<210> 23614
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700909234H1

<400> 23614

ctcattctac tagaagtcag atgaggaact tcaaaaagac cccgagctcc aagcttggtg 60
gaaagaactt gtagaggtgg gtcattggga tttgaaggat aagccatggt ggcaaaagat 120
gcaaactcgt gaagagttgg ttgaagcttc cgctaccctc atatggattg cttcagctct 180
tcatgctgct gttaactttg gacagtatcc atatggaggt ttaatcctga ataggccaac 240
tattagcagg agattcatgc ctgagaaagg gtctcctg 278

<210> 23615
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700909235H1

<400> 23615

ggtggaacaa gtggatcggt caaccactca acctgacaaa tctctagtat atccaataca 60

attttattaa taaaattaat tatttttttt agcttttatt tacttttggt accaagagat 120
ccagacattt aaattaaaga taacccttct gcaaaattaa atgtctggat ctcttggtac 180
caaaagatcc agacatttaa ttttgcagaa gggttttctt taattt 226

<210> 23616
<211> 287
<212> DNA
<213> Glycine max
<223> Clone ID: 700909236H1
<400> 23616

gaaacgcttg caagctagga tacatatttg tggaatgact ggggatggag tgaacgatgc 60
acctgccctc aagaaggcag acattggtat agctgttgct gatgctactg atgcagcccg 120
gagtgcattc gatattgttc taacagaacc tggacttagt gttattatta gtgctgtttt 180
gacaagccga gccatcttcc agagaatgaa aaattataca atttatgcag tatcaattac 240
aattcgtatt gtgcttggtt ttatgttgct ggctctcatt tggaagt 287

<210> 23617
<211> 281
<212> DNA
<213> Glycine max
<223> Clone ID: 700909238H1
<400> 23617

caggcctgca cggagggttt tgacgatgcc aaagacggtg agaagaagat caaggagcag 60
ttgcagaccc agaccttgga caatgttcag aaactcactg gcatcaccct tgacattgtg 120
agttctttgt cccacatcct cgagcagtcc ggcttaaagt ttaatcttaa acccgcatct 180
cgtcgtcttc tcagcgagga tgggttcccc acttggttct ctgctggtga tcgcaagctc 240
tttgctcgtg gatggagagc acgtatcaag cccaatgttg t 281

<210> 23618
<211> 291
<212> DNA
<213> Glycine max
<223> Clone ID: 700909239H1

<400> 23618

gggtttttga gtgcggtgcg gcgatcctag cactctcttc tgcagctttc gccgacagct 60
tcattcacca tggctgagca aaccgagaag gcttttttga aacaaccaa agtggtttctc 120
agctcgaaga aaactgggaa gggaaagaga cccggaaagg gtgggaaccg cttttggaaa 180
tccattgggc ttggatttaa gactcccagg gaagccatcg aaggaaccta cattgacaag 240
aagtgccct tcaactggcaa tgtttccatc cgtggccgta tcttggttg a 291

<210> 23619

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 700909241H1

<400> 23619

atttgccgct cttccgctgc gccgccccct tatcgtcacc acaaaaccta agacactcaa 60
tagatcttaa cttggtaacc actttctcac ggcaagggt gtttgaactt tgaaccgccg 120
ccgtcaaccg tctgccactg ccagagttca tttggacaaa agacaatggg ggagtagagg 180
attctataaa cttggggagc tgtcatctat acagggatta tagtggtact tgcattatta 240
atttacttag ataacaagac acataggatg gaaccagta gagagc 286

<210> 23620

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 700909242H1

<400> 23620

aaaaaataat ttttgggaat gaataaattg gtaaaattgt aataactcct gggtgagcat 60
ggttgtggcc ttagcaattt aggggaagag aagaaagtgc tgaaaagaga aagttgttat 120
ccacaagaca acgtcatcaa cattacacaa ggcgagggt ggtctctgtg atggcaacct 180
ctttctctcc gacagcctct gtcggctcca tcatttcca aaaccctccc aaaggccttc 240
ttcttctctc ccagcagcag caacaacgct ccttcgcctc ttctg 285

<400> 23624

catccaccat ggggttacta cttagctatg ctctgaacat tactagtttg cttaccggtg 60
 tgctgaggct ggcaagtttg gctgagaata gtttaaacgc agttgaacgg attggcactt 120
 acattgattt gccctcggag gctccctcta tcatcgatga taatcgccct cctcctggct 180
 ggcccttcctc aggtcfaatc agattcgaag atgttgttct tcgctacaga gctgaacttc 240
 ctctgtgttg gcatggcttg tctttcacca ttttcccaag cgataagggtt ggcattg 297

<210> 23625

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 700909250H1

<400> 23625

aaaaattcgc agcggcacca ctttgcttca acctctaccc tttcacgaca ctcgaagccc 60
 tcgctggcca ggactcgatg ggaaaggaga gccaaacgtc cgctatggaa atcgacgctc 120
 caaaatcgat gaattccgat ctgatcgttc caaaattctc catcaacgtg ctgcagctct 180
 taaaatctgc gcaaatgcag catggcttgc gtcattgaga ctacactcgc tataggaggt 240
 attgcacagc tcgtttgagg aggttatata aatcgttgaa gtttac 286

<210> 23626

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 700909251H1

<400> 23626

ttctcgaccg attcggctca ctctcagttc cgttctgcat catagagtat ggccagccac 60
 gatcttcgat tcttcgagtt gaacacaggc gctaagatac cttccgttgg tttgggaacg 120
 tggctcgctg aacctggcgt tgttgctcgc gccttggcca ctgcaataaa cgttggatat 180
 cggcatatag attgtgcgca aatttatggc aatgaaaagg agattggtgc tgccttgaag 240
 aagttatttg ctgatggtgt agttaagcgt gaagatatgt ttat 284

<210> 23627
 <211> 275
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909252H1

 <400> 23627

 ttctcactga tatttcctct gtactaaaga ctaaagagag acgaaacaat ctctgtctct 60
 gtgtgctgtc gtgctgtgtt tcctctatct gtctgataga tagaataata tcccaaacca 120
 tcgaaaggaa gcaacgagga aaaaagaaat aaatgaaaag cgtagagagc catataatgc 180
 tccgctttgt ttgcatatcc atgtgagggt tctgacacat tctcttcccc tatcgctggg 240
 tggcttggtc gccttggtgg tttctactga gtcac 275

<210> 23628
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909254H1

 <400> 23628

 gttcgctata atcacaatat tgttctctat atttctctt gactttggtt ttgcacaaca 60
 gggggatctt gacatatcaa gatttggagg aaaaccaaata acaaatatag gctatgcttt 120
 cttgaagtgc ttgactcaag catgtgcac accaactact gtctaaattg tgattccagc 180
 tggcacatac catatgggtg ctattgatgt caaaggctct tgcaaggctc ctattgaggt 240
 tcaagttgat agaacaattc agcaactgc 269

<210> 23629
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909255H1

 <400> 23629

 gttacaatcc aaccccatca actcctcctg gtgggtggaag ctatgatcca actccatcac 60
 caccctcggg tgggtggaagt tacaatccaa ctccatcaac tccccaggt ggtggaagct 120
 atgatccaac cccatcacca cccacagatg gtggaagtta taatccaact ccataccac 180

ccacaggtag caactgtgga acaccaccac aagaccctc tactccaaca ccctcagtc 240
caacaacacc atcaaccca tcaaaccctc ccttgggagg aggtggg 287

<210> 23630
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 700909257H1

<400> 23630

aaactttctt agcaagatca ctctataacc aataattaag gaactttttc gaactgatgg 60
cgaacagttc ctcaagtatc caccaccta agtgatgcag gtcgacaagt ctgcatggat 120
gactgatgaa gaatttgcaa gagaaacaat tgetggtttg aatccaaatg tcatcaagat 180
tattgaggag ttcccactaa gtagcaagct agatactcaa gcctatgggtg atcataacctg 240
tataataaca gaagagcatt tggagcctaa cttaggtggt ctc 283

<210> 23631
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 700909258H1

<400> 23631

gaaggtacgt ggtttatgtc aaagaaggag tgtacgatga gaccgtgaca gtgacaaaga 60
aaatggtaaa ttaaccatg tacgggtgacg gacagcaaaa gagtatcgtc actggaaaca 120
aaaatttcgt ggatggagtc aggaccttcc aaactgcac atttgttgta cttggagagg 180
gattcttggg gaaagacatg ggattcagaa acacagccgg tgcagagaag caccaagcag 240
tggccgcaag agtgcaagcc gaccgagcca tatttttcaa ct 282

<210> 23632
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700909260H1

<400> 23632

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700909187H1
 <400> 23635

atcatagatt agccttagta ccaattcagg agcagcaaca agaacaacca aggaactcaa 60
 atgagaattc tctggaacta taccaagagc aacaacacca accctcaagg aattccacct 120
 caggagtgtg agttaccaca aattgggagt tgtttgattc tgtcccacca ttaatccctg 180
 tgcaatccac atccccaccc tcttcagtga ccaataattc aggtcctccc aagttcaatt 240

<210> 23636
 <211> 156
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909190H1
 <400> 23636

ccggaaagtt cgatttgacc gtttccgtcg ccggagattc cctcacgtta cacaccggtg 60
 ttgattcgtc gaggattgag gacaccattc tggattcctc tccgctttcg atttattcag 120
 tcgacagcgt tcttcttccg caggaactgt tcgcga 156

<210> 23637
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909192H1
 <400> 23637

cagatatctt gctagggttt taggaaaaga cactgtctcg cgagtgggca caggttacag 60
 caatggcttt ctttggtaga attgggaatt tattaagaca gacagcaagc aggcagggtta 120
 gttcagaatt gcgatcatcc ccttcgtttt ttcaggctat acgcagtatg tcactgtctc 180
 caagcacaaa gctgtttatc ggaggtgttt catattctac tgacgagcaa agtttgaggg 240

<210> 23638
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909204H1

<400> 23641

gaaaggctct ggggtgaaaa cttttttgat ccagccacaa agaatggac cagcaagaat 60
 agtgggttctg ctacctgcaa gcgtggggtt gttcagttct gttatgagcc catcaagcag 120
 attattaaca cttgtatgaa tgatcagaag gataagctgt ggcctatgct gcaaaagctt 180
 ggggtcacca tgaaatctga ggagaaggac ctcatgggta aagcattgat gaagcgtgtc 240
 atacaaacct ggcttgacgc aagtagtg 268

<210> 23642

<211> 294

<212> DNA

<213> Glycine max

<223> Clone ID: 700909205H1

<400> 23642

tctttgttgg attctattcc cttcactttc tcttactctc tttccttttt atgttttctt 60
 cttatgcttt tcttttttgt tttttccccc tcaactttgcg cttgtcgatc tttgtaacta 120
 gctataatgc aagcacctca agctgcatca gccactgatg aagctcctga gatttcccat 180
 caggctgtcc ccagcgaaa caaagaagtt tcagacagtg gaccgcgttg taggcgcctt 240
 gatatttcac ttcaagttcc cgctagacct ataggggtctg gtagcactag tagt 294

<210> 23643

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 700909206H1

<400> 23643

cttcttctct tctctgcttt tccactcctt ctctcactt aaccctccct tttatttcca 60
 ttgttattct gcctaagcag tttcttccaa acttcttttt acatttccta tttctctata 120
 ctatcaaaag ggtttgaact ttgaaggga attcagaaag atatgatgac gaaccacaat 180
 gtggtgactc atgaggttat taacacgttg attgccgttg cagcttccat ttcaaactca 240
 cacgcgttgc caagtgaac agtgccagaa tccatggctg tgcttggttg 290

<210> 23644
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909208H1

<400> 23644

cactgccatg ttcttcgaat cccgatccct cctcttcccg ctcttttct ctctcttct 60
 tgcttccgcc ttcgcttcag agtcagatca caagtatcaa catgatgaac aagttaacct 120
 ttgggtgaac aaagttgggtc cttataacaa tccacaagaa acatacaact attacagcct 180
 cccattttgt catccatcta gtagtgctag tgctgcacac aaatgggggtg gtcttggtga 240
 ggtcctgggt ggcaatgagc tcatcgatag ccaacttgaa attaagttcc aaag 294

<210> 23645
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909209H1

<400> 23645

catcaaaaaa cacacacgac acactcccat acacacacgt tgtctcgac acattccttc 60
 attccgcagc agcaaacatc ttaccttaa acgacaacaa tggccgatgc cgaggatatt 120
 caaccctcg tttgcgataa tggaaccgga atgggtcaagg ctgggttttgc cggagatgat 180
 gcgccgaggg cgggtgtccc cagcattgtg gggcgccac gtcacacggg agtgatggtt 240
 gggatggggc agaaggatgc gtatgttggg gacgaggctc aatccaagag ggg 293

<210> 23646
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909211H1

<400> 23646

gccaatggc atttcaatcc ccagtttctt ctacaacgtc ctcttacgag cagatcccaa 60
 ttctccttcc cagtttcaaa ccctaattcc ctcatccca tggcctcaga agagcccact 120

gtcgcggtgg aaccgcgtcc cgaacctgcc accgccgagc ctcccccgga ggagaaggag 180
 gagcccaaac ctgaagccaa ggctaagaaa accaaggaac ccaaacctaa aaaggtttcc 240
 agaccacgca accctccac tcctccttcc tacgaggaga tgattagaga cgc 293

<210> 23647
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909212H1

<400> 23647

tccgaagcca aattgaggag ataagacaat aggttactca tataactggt taaggacttg 60
 atccgcgcgc atggaagcag gtttctccca tcgaaggcaa agcagaaaga acggaaaggg 120
 ttcaagtcgg agtaccacct ttgctggatc attgagacaa acctttgcgt ctttcatacg 180
 tgtgattctt ttagacatgt gaacgcattg ttttctggag ctgaaatctg aatgttactg 240
 caataattat ggattcttct gctgtcgtgg gtaacac 277

<210> 23648
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909214H1

<400> 23648

aaccctgact gattctcttg tggtcgtgc tggattatt gctcaagaag ttgcaggtga 60
 tgtccgtatg actgataccc gtgcagatga agctgagcgt ggtattacaa tcaagtctac 120
 gggatatctca ctctactatg aaatgactga tgaagctctc aagagtttta agggagagcg 180
 caatgggaat gagtatctta ttaatctcat tgactccctt gggcacgttg acttctcttc 240
 tgaggttact gctgcacttc gtattaccga tggagctctt gttgtggttg 290

<210> 23649
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909215H1

<210> 23652
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700909219H1

<400> 23652

cagacgtatg gatttgggtgta tgcttcagga aggagttaaa ccgttcatta tgggtcttggc 60
 ttcccccaac aaccgttctc atctcttnta ttcatgacac accacactct ctctcacatc 120
 ttccatctcc tccatctttt ccacactttt ctccacatc actatcacat tattacgttg 180
 cattaatata atggacacaa caaccgccgc tgccaacgag gttgtccgcg atttcccctg 240
 cctcctccgc gtctacaaag acggccgtgt cgatcgcttc ct 282

<210> 23653
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909220H1

<400> 23653

caattcttgt catcaaattg tgatgctgta ttttcccatt ttaggccag attgatcacc 60
 ttcaaatttt gctatatgca ggctgggtgg tgaatttgac ggatgccctt ttgagatttt 120
 ggcctttctt tcccttgtag acgttcaaac ttggattttt atgtggaagg gaaagagggc 180
 ataattccaa gccttaaact tttgtaatgc ctttcattta tttggttgtt ttttgtagt 240
 attggaatta taaaaaatga gtaaggtttc tgggtgttata tcccgccaag t 291

<210> 23654
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909221H1

<400> 23654

cacaagtcac aactcgtag agagagtttg tgtgtgtttt tgtgtgtcac cttggtgcat 60
 acaacacaag atggaggacc aaaatggtag tggttaagttg agccaagggc ttcgcaaggt 120

gaagccttac cttgctatat tgtcccttca gtttggctac tcagggatgt atatcatcac 180
 tatggtttct ttcaagcatg gcatgagtca ttggatactc tcagtgtacc gtcatgtagt 240
 tgctgctatt ataatagtcc ctattgcact tgtccttgaa agataaataa gac 293

<210> 23655
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909223H1

<400> 23655

agaaaagcaa aggaagaaaa gaaaaacatg aaagaaagaa agaaaagaaa agaaaagcaa 60
 taaagaaagg gaaaaaaaaa gaagaagaga gaaaacaaag acaaaagggtt ctcaaaactc 120
 catgattatt caaattctct aaaaaacagt accaagcagt agtagtggtc cctctactta 180
 atcaaccac aggagaggac ctctacaaag accctgttta ggcttggggtt ggaacaacat 240
 caaaaaagag aaagcaaact ttcttttctc tttttagat cgagatcgta g 291

<210> 23656
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909225H1

<400> 23656

ctcacagtac ttttgcttct ctggaagatg tctctacgag tgctgaaccc taacgccgaa 60
 gtgctgaaca aatcgggcggc acttcacatg aacatcaatg ccgccaaggg tttgcaagat 120
 gtcctcaaaa ccaacctcgg tcccaaagga accatcaaaa tgctcggttg tgggtgctgac 180
 gatatcaagc ttaccaaaga tggcaacact ctcttgaaaag agatgcaaat ccaaaacccg 240
 acggcgatta tgattgctag aacggctgtg gcgcaggatg atgctagtgg tg 292

<210> 23657
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909226H1

003113-03200

0953113-032200

<400> 23657
gaaacgctga agctgagttg gagtcacagt tgttggttgg agccatggat gcagtagcta 60
cggcgaaacc gcttctgtca ctgtcgtttt tgcttttgct accgtctttt cttccgatcg 120
cogtogetta cagacccggc gacatcgttc ccatgagccg catgggtcaa taccactcct 180
cgcgaaaccgt gtggcaggac ctcatgtggc gtcactgccc catcttcgca gtgaatcgcg 240
agggtgttgat gcccataccc aagcccacgg gttacactgg tgcggat 287

<210> 23658
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700909186H1

<400> 23658
aggaaagttt ggctattctt tattacacct gatttttctc actcaaaca atgatattag 60
aaatccacat tatgaaagta tgtatgtgga tttctaatat catttgtttg gctgagaaaa 120
ataaggtgta ataaaggagg aaagtttggc tattctttca accatgtgac ttgatggcca 180
attgtactct atcaaataac atatgttaat ctgtcattca ttatatgttt ttattggctc 240
gt 242

<210> 23659
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700909141H1

<400> 23659
atttcgcata ttctccttct cattccaact caaaaataca cacacacgat ggaaaccttc 60
ctcttcacct cagaatcttg aaacgagggc caccocgaca agatctgtga ccaggtttct 120
gatgccatcc tcgatgcttg cttggagcaa gaccagaga gcaagggttg ctgcgagacc 180
tgtacaaaaa ccaacatggc catggtcttt ggggagatca caaccaaggc caaggatgaac 240
tacgagaaa 249

<210> 23660

<211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909144H1
 <400> 23660
 gcataagata gagagtgggtg taggcgttaa gatttccgtg aatgatattt tgaagtagga 60
 ttcttctgtg gggcgaagat aagtttctaa agccaacggg aaatgcaagg agcaagaaga 120
 aacagtgaat gtgactgtga atgtgaatac gtgttcttac aatggtagta gtgcactttg 180
 gtcagagagc aatgaagata acaaactact agacatggaa acctcaagta gtgggtacta 240
 ctctga 246

<210> 23661
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909147H1
 <400> 23661
 cttcttgtgg ttacaaaaac tctgaaaaac acacacacac acacacttct tatgcctatg 60
 gctggtgagc aaggtgatag attctcctcc attaccatac cccttctcga tgatgaaaaa 120
 ttgcaccaag tgaatgggtc agatgaggct ttgggtggcca aaacttgtga tctacacaca 180
 cctcatgtgg ataacacctc ctttttcaag acctgcttcc acctcattaa tgccctctca 240
 ggagttgg 248

<210> 23662
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909149H1
 <400> 23662
 agtttgcaga gggagaggct ccggttcaat caagcaatga aaccatacat gctctccttc 60
 agtgcggtgcc ttatttgtct caccaaaaact gtactcgatg cttggagtac gctatgtcca 120
 ggatttcata ttgggtgtgat ggaaaaacag gtgggttggt tctaggacga agctgttctt 180

taagatatga gacctacctc ttctttgagc tcatattcca cgatgcacca gcaccacagc 240
cttccc 246

<210> 23663
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700909151H1

<400> 23663

ggcagtgata gcaaagagaa gatcatttca taatcagact cacctaactc cgccatggct 60
gctgttccct ctactttcgc tctaacaaa tctgcattgt ccataaacia gctggaccac 120
tctctgggtca agatcaaacc atacagcttc tctctgaatc taaacgtct agggaggatg 180
gaaacatctt taaccagaag gcctctaaca attcaagcca catatagtga tgggtggaagg 240
cccag 245

<210> 23664
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700909152H1

<400> 23664

ggagacgatg atgatgatga gctgcgtttc gatttcgagt tcagtgacaa gaggcgctat 60
tagcgtgggt tctctttcat ctttgtgtt cggcacaccc aagttgttca attcagcaag 120
ggtagcgggt aatggtcggc gaagaaacia aggtttgagt tgcaacgcca tggtcggtct 180
gggggtgccc gaactggtcg ttattgccgg cgtggccgcc ctgggtttttg ggcccaagaa 240
att 243

<210> 23665
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700909155H1

<400> 23665

<223> Clone ID: 700909160H1

<400> 23668

gtgaagagtg agagagatag agagagagag gcactttgaa tccaaaaatg agatacatca 60

tcagcattca cataggtcag gccgggatcc aggttgcaa ct 102

<210> 23669

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700909161H1

<400> 23669

attttgttct tccttacacc ctaaatccct aatctccttc agcgggtgttt atagtttaac 60

ccaaaaaatc accgaattct gatcggatca ccgcagtgcc ccactctcca ccaccgcgcc 120

atcgcaaacc ctagatggac ctactgaagc aagagcttct caagaagcgc caatccctgg 180

cgcaagacac cggcggcaag aaattcttca agcgctccga gatccagcag aaggaaatcc 240

agaaac 246

<210> 23670

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700909163H1

<400> 23670

tgattttccc tcttctcttt ttctctctcg tgagtctcgt ccctgaagcg aaattctaga 60

atggcggaag aagctcctgc atctgaaacc tccgtcacia tgctcaacc ggcggaagtc 120

atcacgctcg acggaaccct aacctcttcc gagaatgaca agagcggat ctccgtcgat 180

gccgccgcgc acggcgggtga aaagacggtg tccaacgctg aaccttccgg tagcgatcct 240

caga 244

<210> 23671

<211> 242

<212> DNA

<213> Glycine max

002360-CTT560

<223> Clone ID: 700909164H1

<400> 23671

atagttttgc attgttttac ttaatctaca atggctgctt caacaatggc tctctcttca 60
tcatcattgg ctggccaagc tatcaagctt gcccctcca ccctgagct tgggtgttga 120
agggttagca tgaggaaaac agcctccaaa actgtttcct caggaagccc atggtacggc 180
ccagaccgtg tcaagtactt gggcccatc tctcgtgagc ccccatccta tctcactggt 240
ga 242

<210> 23672

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700909166H1

<400> 23672

ctccctcttc ttccacca tttcccttt cctctctctc tccaaaacc acttctttca 60
accctcgccc tctcttcct cgcaccatgc acgctcgcg catccaagat gccgttggag 120
gggcactggc cctcgtccaa tcgtcccccg ctacgtggca gtccgcgctt ctcagcaacg 180
cgctgatctt tttcttgggg tctccgattt tggtcagcgg gttgtctctt tccgggatcg 240
gtg 243

<210> 23673

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 700909167H1

<400> 23673

gggttttgtt gttgctgtca atggatttga gatggtgatt gggatttgag ccaacaataa 60
aaatatgatt cc 72

<210> 23674

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700909168H1

<400> 23674

aatacctcca ctacttgaaa aaaggaggac ttttttgccc tcaaagcctt ttgttggtga 60
 caatcgggttc cttttgcctt ttgtcacctt cggcttcttc cctgttagta aaattgatca 120
 taatccataa ggaggacgaa aaaggacaca gacaatccag atgtgacaga attaacacaa 180
 agcacaaagc attgtgttac atcaaatcaa accatctgtg cccttacgat ctttctgcta 240
 c 241

<210> 23675

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700909169H1

<400> 23675

agtgaagag aatccgaggc gaagagaaga gaaaaattaa gatggagggg aaggagcagg 60
 atgtgtcgtt gggagcgaac aagttcccg agagacatcc gattgggacg gcggcgacga 120
 gccaaagcga cggcaaggac taccaggagc cggcgccggc gccactgggt gacccgacgg 180
 agtttacgtc atggtccttt tacagagcag ggatagcaga gtttgtggcc acttttctgt 240
 ttcta 245

<210> 23676

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700909171H1

<400> 23676

ggaaaagtac tttttttttt aaaaaaatt atcttatttg agtgtgatcg atggcatacc 60
 caaacctta tccggcgcaa ccgtatccct ccacctccgt gccgatgccg gcggtgccca 120
 ccgccgtgat cggccccag ttctgtgcgc cctaccgct ggatctggcg gtggtgaaga 180
 aggtgatgac gctctccgac ggtaactttg tggtcaccga cgtcaacggc aacgtcgtct 240
 tcaa 244

<210> 23677
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909174H1

 <400> 23677

 caattcacaa ccgaaacagt ttccatctct ctcacaaaat gacaacaata tcaaattgct 60
 cccttctctt cctcttctct ttctcttcca cctccacat agcttccacc ctctcaaccc 120
 ccaccaactt catcaagtcc tcttgagca ccacccagta cccagccctc tgcattcagt 180
 ccctctcgt ctacgctcc accatccagc aagaccccca cgagctcgtc cagacagccc 240
 tctcc 245

<210> 23678
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909175H1

 <400> 23678

 caccgcagct atgtcagaga tgcttgaaa cccgtgagc ctgagaggcg ccaccaggtc 60
 tgctccatca ccgtctacac ctgttacttt caagaccgtt gcgcttttct ccaagaagaa 120
 ggcagcacca cctctccaa agaaaaagcc tgctgctgta tcccccgcca atgaggaact 180
 cgccaagtgg tatggctctg acagaaggat cttcttgctt gagggctctt tggaccgatc 240
 agag 244

<210> 23679
 <211> 242
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909177H1

 <400> 23679

 gaggaatcct gcaagaatcc aaaggaagac atgaagacaa aaatttcaag agtttatatg 60
 aggacagaag catctgatac aagccttatt gtgaaagatg gatatcaatg gaggaaatat 120

09531113-032200

ggacaaaagg tgaccagaga taacccttct ccaagagcat atttcaagtg ctcttttct 180
ccaagctgcc cgggtcaaaa gaaggtgcaa agaagtgtgg atgatcaatc tgttcttggt 240
gc 242

<210> 23680
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700909179H1

<400> 23680

gatgctatca atattgcagt aagatgcaag gttcctatac aagtcaacaa gtacttggca 60
tacagtgatg gtatgagagt aattgaatca ggcaaattgt caacacagtt ccctgggatg 120
gatggccgaa tattcactga aatggacggg ccaagtggtc aaccttgtgc cgagaccacg 180
gagtttaatc ttttacacaa tatgttgaaa gctgttggtg aagaacgcta tgaa 234

<210> 23681
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700909181H1

<400> 23681

ggcatggcac tctgctggaa cctttgacaa gggcacgaag accggtggac ccttcggaac 60
catcaagcac cctgccgaac tggctcacag cgctaacaac ggtcttgaca tcgctgttag 120
gcttttggag ccactcaagg cggagttccc tattttgagc tacgccgatt tctaccagtt 180
ggctggcggtt gttgccgttg aggtcacggg tggacctgaa gttccattcc accctggaag 240
a 241

<210> 23682
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700909182H1

<400> 23682

<223> Clone ID: 700909185H1

<400> 23685

ctaggcaggt cgattgacat aacacccgaa tccaagtga cggaaaaaca ctcatcatca 60
 tggattcagt tgcattaaat ggcaaaagca atgataagcc tcttcacgtt gccatgctcc 120
 catggctggc cactgggtca catataccct tacttcgaag tcgccaagat tcttgctcaa 180
 aagggtcact ttgttacctt cataaacagc cccaaaaaca ttgaccgcat gcccaaaacc 240
 ccga 244

<210> 23686

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700909101H1

<400> 23686

gaaataacttg ctgaaattag agatgcggtt ttttcattta ttcgtaaaat ggaacctagg 60
 cgattaatgg ataccatgct tgtttcccggt gttagaatct tgtatataag atctttgctt 120
 gctagatcac cagagttgca atccattaag gtattgccag ttgagtgtt cttgaaaagg 180
 ccaacactgg acccagtaga agttccagcc gagcaagcag tcctggaaga tcttccatgc 240
 aatatgttga t 251

<210> 23687

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700909102H1

<400> 23687

cgagaaaagc agcatactga gatactacgt atactacgta gtactacaca tttcatttgc 60
 ctctttagt agccatgggt ttccaaacaa acattaatcc tcaactcgta ttgtttcctc 120
 tcatggctca aggccacatg atccccatga tggacattgc aagactattg gcacggcgtg 180
 gtgtgattgt ttccatattc accaccccaa aaaatgcac acgattcaat tctgttcttt 240
 ctcgtgatgt 250

<210> 23688
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909105H1

 <400> 23688

 ctcaatctgg gatacgaagc ttgcaatagc tgcagcatct gaatagggaat ggattatatc 60
 tgtctttttg tcaccttcac tgcgattgcg ctcttagggg ttgtctttgt agtggttttt 120
 gaagcatata aaagaagaaa caaccatcag catatcgaag ttccggctat ttttgaagat 180
 cctagctcat tgaaacaggt tccttgccca catattgttg atccagccac aaagtatatt 240
 tctttgatta tcc 253

<210> 23689
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909106H1

 <400> 23689

 gcttgttttc attgcatgat caaccgccga gaaggcagac ccttgatcag attggatctg 60
 gtgtgaacag tgttgcaatg agtgatcgct ctgagttggt aattggtcga ccagaggcag 120
 tatattttta tgaagttgat gggcgtgggc cttggtgggc ttttgaggga gagaagaaat 180
 tgcttggatg gttccgtgga taccttttgt gtgttattgc agatcaaaga acaggcaagc 240
 atactttcaa 250

<210> 23690
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909107H1

 <400> 23690

 gcattgactc atctttttga tttggatcac catggaacat aaattagcaa caactgaagg 60
 acaaccata agatgtaaag cggcggtttg tcgcaaagct ggtgagccac tgggtattga 120

ggagatcatg gtggcgccac caatgcctgg tgaagctcgc attcgtatta tatgctcctc 180
tctctgtcga actgatatca gtttccggaa catgcagggg cctccggcga atttcccaac 240
aattctgggt cat 253

<210> 23691
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700909108H1

<400> 23691

acgattgttg caattgtggt tccaattacg gtcgctgtgc ttatatttat agtcggaatg 60
tggtttcttga gtagaagagc aaggacgaag cagcaggggt ctgtaaagga aggaaaaact 120
gcgtatgaca tccccaccgt ggactccttg caattcgatt tcagcacaat tgaagcggcc 180
acaaacaagt tctctgccga taacaagttg ggggaaggtg gatttggtga gggtttacaag 240
ggcactctttt caa 253

<210> 23692
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700909110H1

<400> 23692

gaacgaatcg aaaaaagaaa gatcatggcg atggcaaact tggctcgacg gaagggttac 60
gccgtcgttt tgtcgtcgag gtcgtcgctt tgtctgacaa ggtggagggg gttcgcgtcc 120
ggatctgacg aaaacgacgt cgtgggtcatc ggcgggcggtc ccggcggtta cgtggcggcc 180
attaaagcgg cgcaactgggt ctgaaaacca cttgcatcga aaaacgtggc actctcggcg 240
tcacctgcct c 251

<210> 23693
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700909111H1

<400> 23693

tgagggctaa taaagatggt ttcgagagta tgaggaaaaa cccaaaagta aaatatgatg 60

gggaaagatt ctcttacaag tcgaagcatg ccgtaggga caaaaatcag ctgcttttcc 120

tggtacgtaa gtttccagag ggcattgctg tggttgacct aaaagattct taccctaatg 180

tgatggaaga cttgcaggct ttgaaagctg caaggagat ttggctgtta tccaactttg 240

actctcaaga 250

<210> 23694

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700909112H1

<400> 23694

cgctcttcgt tatcttttct cagactccgc ggcgtagatc cgaggagttc gggaaatcct 60

aactcatcat ctcaactcaa gtcattgctg gacttgcacc tgagggatca cagttcgatg 120

ctcgtcacta tgattctaaa atgagtgact tactttcatc tgatggacag gacttcttca 180

catcctatga cgaggtttat gatagttttg acgctatggg tttgcaggaa aatcttctca 240

ggggaattta 250

<210> 23695

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700909113H1

<400> 23695

tttctctttc tgctttgcta gttcatgtca tggcgtttct gaaccctttc tctctccaca 60

ttcccatgtc cttgttgctc ttctctctct tctttttttg cttctgcaaa gccagtacta 120

ctactaccac ctctactaca acaaagtcac tgtcccttcc ttcttcaccc tccaccacta 180

cttctctctc tgatgttcaa cttctcttgg gaaagatcaa agcttcactg caaggtagta 240

actctgaca 249

<210> 23696

<211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909114H1

 <400> 23696

 tactcctaac agtaatagca gagagagaga gagagaggct taagacagag cactgtctga 60
 gtgaaacatc cattctcttc ctctcctcg tgattcccga acattctctt cttattccca 120
 gctccacgcg cgcgactcca tattctcacc actcgcgcca ttcttcttct tcttcatta 180
 gggttttctc acattgctga atgtagcttc gctctcacat tgacccttga aaccacaatg 240
 tccggcccgc 250

<210> 23697
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909116H1

 <400> 23697

 caaatggctt cagcttctgt tcccatggcg ttgtcactga gctctgttac caacaacaac 60
 aagccttcat ccgaagcctt cttcaggcca ctaccctac gccaaccaaa gaggaccctc 120
 ttcaccacga aggcagtgtc aaactccaag cctcaaatca atgcagcttt gaaggagaag 180
 gcagttgccg gactcacagc agcttctgtg acagcatcta tgggtggttc ggaggtggct 240
 catgctgctg g 251

<210> 23698
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909118H1

 <400> 23698

 ctcgagccga cgaaagtgtt tagctttctc tgacttacat catcacttgc tcgctgtgat 60
 actatctaac aaattcttca tttcattgtt catacacact cgcacctaac tccgccatgg 120
 cttctcttcc caccactttc gctataacca aatctgcac ctccataaac aaggtggacc 180

actctctggt caagatcaaa ccatacaact tctctctcaa tctaaatcgt caagggacca 240
tgcaaaca 248

<210> 23699
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700909119H1

<400> 23699

ggctcgaaac atcgctaccc gaagcatact tgtgaagggg atgtatgagc tgtaggggtga 60
agggagtagc tatgaggagt tgaaggagtc tgtgttgaat taccctgatg aaaggaagtt 120
gccgtacttg gattctgata gcactttcaa gataaccgtt gattgcattg ggaagggtcat 180
tagcttgagg gagcaaaagg agctcattca agggctctct tatatccctg tcaagggccg 240
agtaaagttg 250

<210> 23700
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700909120H1

<400> 23700

caaaaagcag ggaaaaaagc aaaatgactc tggtttgaaa aaagctgtct tgtaagtgg 60
aactcctggt ataggaaaaa caacttcagc aaagttgggc tgccaggagc ttggtttcca 120
agccatagag gtaaagtcta gtgacagccg tggaaaagct gatagcaaaa ttgaaaaagg 180
aattagtgga agcaaaacaa attccgttaa ggaacttgta accaagcagg ccattagtgt 240
taatatg 247

<210> 23701
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700909122H1

<400> 23701

0953443-032200

cagccatcac taatcagcac tagcgacagc catgggagag gtagacacag ctttcatcca 60
 agaaccagaa cacaggccaa agctctctcc caaccaagca gaaggaattc ccataattga 120
 cctctctcca ataaccaacc acgcagtttc agatccatct gccattgaaa acttagtgaa 180
 ggagatagaa agtgcattgca aggagtgggg tttcttccaa gtaaccaacc atggggtgcc 240
 cctcgctcta agg 253

<210> 23702
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909123H1
 <400> 23702

caaatccatt ctcacgtcac ggcacggcac agcagcattc aaccttgtac tcaaattcaa 60
 gtaacgatca ttacagacag ttaccacott aacatgcaat atcatctctg tctaaagcaa 120
 aagctgccat ttctcactct ctcagtccat catattcgcc cattcggtg taacagatag 180
 ataaaaaaag gtatttttgt aaaagggagg aggaggagga gaaaaaatta ttcgtccaag 240
 tttcaagtaa tc 252

<210> 23703
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909125H1
 <400> 23703

aattcgaga gcaactcaac acaacgaacc aaaccaacaa tgtcgagcc gcagcctcag 60
 tcgcagccgc aacacgggcc agcggcgctg gagcaggtgc agtgcttcgg tcgcaagaag 120
 acggcggtgg ccgtgacctt ctgcaagcgc gggcgcggcc tcatcaagat caacggctgc 180
 cccatcgagc tcgtcgagcc ggagatcttc cgctttaagg ccttcgagcc catcctctg 240
 ttgggaaaga g 251

<210> 23704
 <211> 251
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700909126H1
 <400> 23704
 gcacccaat ctcgctcaga ttttctccag aaaagggaaa ataaataaaa aaagagaata 60
 ataataatac cttttgtaat tcgcaaaacg tgatcgacgc tggcgcaaat tgaaattagg 120
 aattagggtt agggttttca ttatcttcgc ccggaaaaga aaggggggaa gaagaaagaa 180
 ccgttccttt atgatcgaaa aggtgccttt ggatcatcgc gcggtgttaa tcttggtggt 240
 gcaatcctct g 251

<210> 23705
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909127H1
 <400> 23705
 ccatcacagt cattcagaca gtgcacctac aaggagttta gtttcatttg ctcaagatta 60
 taggaaactg gcaattgatt gccttaaggt ttacgcata gagatgcaat tggagacagt 120
 attccatatg caggaaatgg caaatacaga atacttggat gaccaagatg ctgaagagcc 180
 ggatgacttc atcatttcgc tcaactgcaca gataacacga agagatgagg aaatggctcc 240
 ttttatttca 250

<210> 23706
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909129H1
 <400> 23706
 ccgcccgcgt atacgtaaa atcttctcct actgcctccc cgccacctcc agctccaccg 60
 gccgctctc cttcggcacc accaccactt cctacgtcaa gtacaccccc ttctccacca 120
 tctcccgcgg ctctctcttc taaggcctcg acatcacccg catctccgtg ggcggcgcca 180
 aactcccagt ctctctctcc accttctcca ccggcggtgc aatcatcgac tccggcaccg 240

tgatcaccgc c

251

<210> 23707
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700909131H1

<400> 23707

gtttatcgcg ttaagcaaaa aacccaatca aaattcaaag tctctttggt taccttggtt 60
ccctcattgc ttgctcaca ttcaatttcg aaggcgtaga gtgagatccg aacgatgaag 120
agagtattcg gcgtaagaa gaacaaggat ccacccctt ccattcagga tgcttccgaa 180
aggattacaa aacgaggtga cacggtggat gacaagatta agaagcttga tgccgagctt 240
agtagatata 250

<210> 23708
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 700909133H1

<400> 23708

gaagatgctc ttgctgtatg cgtcaccttt atgatgataa caaggatcct agtctttggt 60
tagtatgcac atctgaattt gctcaagggg gggactcctg tgggttgtct tgccatattg 120
aatgtgcctt tcagcatgca aagggtgggag tccttgatca tgggcaactg atgcggctag 180
ctcgtggctc tggatgtgca tcatgcggta aagtt 215

<210> 23709
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700909136H1

<400> 23709

gtggagtaaa agagaacatc tttccagggt ttggaaaacc tgggtggaaa ttcattgcct 60
tatctcaagt atagctataa aaagtacagg gttcgacaca agaagaatga taaaggagaa 120

002260"CTTCE60

gcaagagaaa agttccagtt tagttctaga gtagagacag aatacctgaa gccctcttac 180
tctgctagca ttggtgagga gcttgaagat gggctatttg atgatttctt agaattggcc 240
ttgcagttt 249

<210> 23710
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700909138H1

<400> 23710

aaagaaacag gctttatttg agcacttttg gactctcaat tctcagggtt accttctcta 60
tcagcttctg cagattagct ggaagaaata aagaagaaa aagataacaa aagttgttca 120
aaggccatgg atgttgacaca ttttttgttt ggaatctttg ggaatgcttc cgctctgttc 180
ctcttcttgg ctccagtgat cacattcaag aggattataa agaacagatc cacagagaag 240
ttctcgggc 249

<210> 23711
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700909096H1

<400> 23711

cacaacacta ttcttcttcg cagcaatggc gctagtggat ctggacggga accccatgaa 60
ggcacttacg atctgcatga tcggcgctgg cggcttcata ggctcgcac tctgcgagaa 120
gctcatgtcc gaaaccctc acaccgtcct cgccctcgac gtctacaacg acaagatcaa 180
acacctcctc gaaccctccg attccccctg ggccggccgc atcaccttcc accgcctcaa 240
catc 244

<210> 23712
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700909066H1

<211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909069H1
 <400> 23715
 gcagaggact aaaggtccag tgaccctgt aaggacact aatggaggca ctgaacgcag 60
 gctcttgcaa tatgctgcaa tgttcatgtc aataaggcca catgaccacc ttgaatgaaa 120
 actggtgtgt ccatgatttt tcttattgtt gttggttatt gatcctcaat aaaattgtat 180
 ttcaaatcca ttagacctgt tgagcgtgaa atgtattaaa aaaaaaaaaa caacaaagtg 240
 agtacgagta attgaaaa 258

<210> 23716
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909070H1
 <400> 23716
 ctttgatgac aaagggaaatg gtggcaagga gtggcggaag gccctcgaga cggcggagtc 60
 acggtggacc accgccacga cgtcgttgct gccgaagagg atgacaagcc aaggaaaaag 120
 ggtggtgagg taattatcaa tgagggtttt gacttgaacg ccgtcgcgcc ggaagccgca 180
 gagggcggtg gcgcgtagag ttaattgatt ggcgtctggg acgcacgcgc tgtcggtata 240
 accaccgtaa gattg 255

<210> 23717
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909071H1
 <400> 23717
 gtgtctttca aacccaaaaa tctcacttg ggtctcaatc cgaaagcgat aggccacaaa 60
 agagggcctt tacttcctta catactctca cttgcttggt gttccttggt cgttcatatt 120
 ttgatattt cttcttcttc ttcttcttcg ttttgttcag tttctttcat ggcgatctcg 180

gagaacgtgt cacctttgaa gctgttgta tgttccaatt gggttccact tgtggttttt - 240
gcctttgctt ga 252

<210> 23718
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700909072H1

<400> 23718

gagagtagta gagtaacgca acccattcca ttccctcta aaatggcgtc aagtaaaatg 60
agggtcgagg agctgcgaac ggagctctc caccgtggac tctccaccac cggaaccaaa 120
cccactctgg tccgtaggct tgaagccgct ctctgtaaac aaacgacgag tgacggtggt 180
gcttgttctc ctctgtaggac tagaaagaga acaacggatt cgaaccactc cgaagaaatc 240
gaggttcgag a 251

<210> 23719
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700909073H1

<400> 23719

aagaaagccc cgaaagttga aactgctcct gctaaagaga agcccaaac acctcctgcc 60
actctgaagt ctccactga gccccagctt cctcctaaag agagagacag acgagttcct 120
atgacaaggc ttcggaaacg agttgctaca cggtgaaag attcccaaaa cacatttgct 180
atgctgacta cttcaatga agttgatatg actaatttga tgaagctccg ttctgattat 240
aagga 245

<210> 23720
<211> 135
<212> DNA
<213> Glycine max

<223> Clone ID: 700909074H1

<400> 23720

0053113-032200

gagattgcga ctctctcttc ctacgataac cgtttcctct cgccgaaaa cgcacattga 60
tctctctctc cggcgatccc cgcccatccc tccgccatga gttccggctg agctcctgcc 120
acatgactag cccca 135

<210> 23721
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700909077H1

<400> 23721

attcaatttc accctccttt ttcatttttc attaatntag aatacaatga tgaagtatgg 60
cttacgtgcg tcattacgtt tttcaattaa agtaaatttg atctcccctg agttgccttt 120
ctattaattt aacattccat tagggcgtat agccccaca aagtggaatt ctggattaga 180
aaccaggata atgagatttg atggcactac tttgcaattt caaccttcatt ctattgcagt 240
agtc 244

<210> 23722
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700909079H1

<400> 23722

ggcaaacgga cggcgggagc acgcgtcgct tctagcccgg attctgactt agaggcggtc 60
agtcataatc caacgcacgg tagcttcgag ccaactggctt ttcaaccaag cgcgatgacc 120
aattgtgcga atcaacggtt cctctcgtag taggttgaat tactattgag acactgtcat 180
cagtagggta aaactaacct gtctcagcag ggtctaacc cagctcacgt tccctattgg 240
tgggt 245

<210> 23723
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700909080H1

005311.03200

<400> 23723

caaggaagtc ccctaatacag aaccagagat ggacaccaaa cccaccgaga tcagcagcgg 60
 caagatgttc ggaggttaca acaagagatt caagcatttc agccttacc tgggatgctc 120
 catgaacttc cacatctact tccctccatc tcttctccc tctcacaat tccctgtgct 180
 gtactttctc tctggcctca cttgcaccga cgagaacttc atattcaagt cgggtgctca 240
 gcgtgcc 247

<210> 23724

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700909081H1

<400> 23724

acgctcaggc ggttttgcca cagcatcttc tggtggcgta tggtgaggag attggacgtg 60
 atgctaggcg tgggttagag gggagggcta ggatgaagtt cggcgcccta ggagcttggtg 120
 ccttggtggtg tacagggctt cctattgatc gattcatgac ttctgaagcg ttaggattta 180
 cggctccctt gatgaatagt atagatgcag ttccagaccg agatttggtg ctggagtttc 240
 tttctgctaa tgcca 255

<210> 23725

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700909083H1

<400> 23725

ggttatcatc tctccatttc cattttctct ctacttttc aagaatcgta agctatggga 60
 aagtcttacc caactgtgag tgctgattac cagaaggccg ttgagaaggc gaagaagaag 120
 ctgagaggct tcacgctga gaagagatgc gtcctctaa tgctccgttt ggcattggcac 180
 tctgctggaa cctttgacaa gggcacgaag accggtggac ccttcggaac catcaagcac 240
 cctgccgaac tggctcacag 260

<210> 23726

<211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909084H1
 <400> 23726
 gaaagaatca gaaaagtctt gccctcatct ttacatttat caacacttag atcttttcat 60
 gcttctggag attatgggaa tatgggttaga gaccccgctct ctaacatatt gcggtcttac 120
 tttcaaagt tgccatggga gacacagaaa ctaaatctga ttctgagctc cacaccatca 180
 ttcatttcct ctgtttcagg catagctgaa ggtgctcgat tgctgctttc ccaaacatat 240
 catggtgata gagttattg 259

<210> 23727
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909086H1
 <400> 23727
 ctcactcacc gccgggatgt cgccggagtc cggagcacac gtcctctcc tccagggatc 60
 cgtcgatggt cctccggcaa ctgtgtccgg tgccgtgttc aatgtcgcca ccagtataat 120
 cggcgccgga gtactgtctc ttccggcgat tctcaaggtc ctcggcggtga ttccggcggt 180
 ggtgctgatt ctctgtgattg cgtgtcttgc cgaactatcg gtggagttcc tcatgacggt 240
 cagcgctg 248

<210> 23728
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700909087H1
 <400> 23728
 caacatgata aacatggacg acacatgcga acttggtgcc aacaataatg ttggttttcc 60
 aactgatgca gctaataacg gtatccataa accttctttg ttgggtgccca ataagaccac 120
 ccttggccac cacgttgcac ggcgtctagt tgaaatcggg atcaaagacg tattcaccgt 180

<223> Clone ID: 700909093H1

<400> 23734

aaaatcggca ctcatgagtt attattaggg ttgcaacct ttaaactctg aagctgcaat 60
agtacagcac agaatggggc gcaaagagaa gcagaacgcg aaggcaatag atgaggaaca 120
cgacgtagta aattttaacg gcgcttcaac gccgtccctc gttttcagca gcgacgacga 180
tgaagccaac caagatctca gcctcaagat cgtcgaag gcatgcgaa tccgcgcgcg 240
caaa 244

<210> 23735

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909094H1

<400> 23735

ggaattctgc tcgagataag gcaatgaatc tgatgcaggc ggttcgctac gacgcctacg 60
ggggagggtcc tgccggcctc aagcacgttg aagttgccgt tcccagtcca aaggcaaag 120
aggttttaat caaactggaa gcagtttagca ttaaccctat tgattggaag attcagaagg 180
gtcttctcgc tcctttattt ctccccagaa cctttcccca cataccgtgg acatatgtgg 240
ctggagaaat agttga 256

<210> 23736

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700909095H1

<400> 23736

tcataaacct ttttttcctt cttttttttt attcaataat taacgggtgtg agctacacag 60
tatatgaata ggcaatttct ttctttctgt aaatctccta ccagttttc tcctaataa 120
aattaatctt gacttagaaa ttgaagtata ttagtattc aatcatttaa cttctcttaa 180
tctttgacct tcttctttgg aaggagctag taccatgcat ggttgtctac tttgtcttct 240
at 242

003220-000000

<210> 23737
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909065H1

<400> 23737

gaacaacttt acagcaccag ttggagcagc atccagcact acagtgtgcg cagttgctga 60
 gcctgatagg cctctgtggt tcccaggcag caccctcct ccatggctag atggcagttt 120
 gccaggagat tttggctttg atcctctagg tcttgcatct gatcctgaga gcctgagatg 180
 gaatgtccaa gcagagcttg tgcactgcag atgggccatg ttgggagctg ctggcatgtt 240
 catcccagaa ttcctcacia 260

<210> 23738
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909014H1

<400> 23738

ttaaaccctt caaattttcc accgcaaaac tgtttcatag catgccacca ccgtttccac 60
 acacctatct atacagcttc taaattttct tcctttcctt gggggaactg ctcggttact 120
 gaaaccatca tctgggtcgc gaagattttt tggaaaaaaa aagaaagttt aataatctcc 180
 gatggcttcg gctgctatct tctcgtcgt acggcggcgc cggtcgccgt cgctggaggc 240
 gtttctggcg ccgg 254

<210> 23739
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909016H1

<400> 23739

gtgtgattct acactaacia ggctctaaaa ttatgaacia attcagcaaa tccgtagtgc 60
 tttagaata attgctgaat tgtgtcaccg ttttaagtcac atagtattgt gctgtgcttg 120

000000-000000

agccttaagg tctgtgttg tatgtatttg cttttatctg cctttatgac gcgatcatgt 180
 gaaagtacga tgtaataact gctcacctga gtactgttgt tgggtgtttg gggatatgatg 240
 tatcataatg ctt 253

<210> 23740
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909019H1

<400> 23740

aaaatgggag gttctcgact atccaagcca aagtctggct ccgcttccgg cagcaciaaac 60
 tgtttcatgc tgtatgagag agcactctca attacctggg gagacactcc agaattattgg 120
 atatgggtac aacagaaaga aacaagtggc acgatagtag agttggctaa gttgaaaagg 180
 gtttgctggc tagaagtgca tggaaaattt gacacaagaa agctttcact aggaattcta 240
 tatcaagtgt catttctaata tatgttgga 270

<210> 23741
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909020H1

<400> 23741

gagtgagtga gtgagagaag gagattctga tttgatctcg ccttaatctc tcagatctga 60
 gcttgccgctc gtcggaatcc aactcaatct gggteggatt cttaggtatc accgctccac 120
 tattagttta agcctctcaa taaaagggtt ttatttcgct tcaaattcga ggtttgattt 180
 gaagttggaa tagcttaact gttgtgtaaa acagccagca cacacaagca tgggaagcca 240
 agacaacaac gtagcattgt catc 264

<210> 23742
 <211> 201
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700909021H1

<400> 23742
tacaaccacc acaatcgctc ctctactctt ctgtacctgt gcttgtctca tcttcttctc 60
cgcttcattg tcagaagcaa cagtagttgg ttatggctac accatctcaa ctgtcaacaa 120
ttatcccata aagaattctt tgactgcaaa ccttaacctc atcaaactct cctctgtttc 180
cggacccgac attccacacc t 201

<210> 23743
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700909023H1

<400> 23743
ggctttgatt tcgcttccga agcgacaagc agcaccact ctctcttctc ggaccttcca 60
aacatggaac gcatcggttg cggaagtac aagctcgggc gcaagatcgg aagtggatcc 120
ttcggcgaaa tctacctcgc gacgcatatt gataccttcg agatcgtcgc cgtcaagatc 180
gagaatagta aaacaaaaca tccccaaactg ctttacgagg caaagctcta caatattctt 240
caaggaggaa gtggcatt 258

<210> 23744
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 700909024H1

<400> 23744
cagggttggtc accagtttga gttgttggat ctctccact gcttcttctc ctgacactgt 60
tctgtttcaa atttcaaccc aaggagcttg ggaacaaact cctgctcctt cttctccttg 120
gtcatagagg caccattttt ggtttattga taggcaatgg gaggtgcact gggaaagagt 180
gaatcaccta gaaagggatc gatgccagaa actaagctcg aggct 225

<210> 23745
<211> 253
<212> DNA
<213> Glycine max

00330-11111111

<223> Clone ID: 700909026H1

<400> 23745

gctgaacgta ataatgcaat tttggaacga gataatgcaa ttgcaactct tcagtatcgc 60
gaaacctctt taagtagtgg cagtatgcca tcatgccctc caggatgcca aatttcacgt 120
ggtgtgaagc atatacatca tccccagcaa caggtaacacc atatacctaa catgggtgat 180
gcctcttaca gcacacggga aatgcacaca accgatgccc tccctgcagc ccccatccct 240
tctgaggccg gga 253

<210> 23746

<211> 252

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909028H1

<400> 23746

gaaaaaacgc acagctccag cgcagaggag caggatccga cccggcgcca cctggatccc 60
ccaccgggt taactgctga agagtccgag gacctcaaac cctccgtgct ggagcaccac 120
acctactctg tcacaccac ccgccaagc tccctccctcc tcgcgcaggc natccacgcg 180
ccaccacagc cgggtgtggtc cgctcgtgcgc tgcttcgaca acccacaggc ctacaagcac 240
ttcatcaaga gc 252

<210> 23747

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700909029H1

<400> 23747

cggctcgaga taaatagttg ctcagatccg tgttactctc cccagacca attgcgtcaa 60
attcacgatg atcaccatca tgatggtcgc cgacaccgtc gccgtaaccg ccgccaaggg 120
cctcggcgctc cttcggggcct atcaatccac ctgtaacttt tccgtcgccg atcagatctc 180
cgccatgatt cagacttacg acgccgtcgc gccgccgccg gtcaagccta ctacctacag 240
gctaagacg 249

<210> 23748
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700909031H1

<400> 23748

aagaagaaga acaacaacaa agagatagag agagaaatag agggagagag agagagagag 60
aaaagggtag attttgatgt ttgttaacca tagaggcaaa acccaaaaag catcttcttc 120
atcttgatca aagtccaaac ctttgtaccc ttttgtgtat ccctcccatt tttgtgtcac 180
aacacaatcc ttaaccacac aaaatccctc ccatttgtgt gcaagagggt atttccctct 240
atttgttggg gg 252

<210> 23749
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700909032H1

<400> 23749

ggaattgttg taactttttg attcctagat tctctaaaat tcgaaattct aatgtcgta 60
ggggaaagag attgtttgtg tgtgagttag tatggctgga aaaggcgagg gtccctgctat 120
cggaatcgat ttgggaacga cgtactcttg cgtcggcggtg tggcaacacg atcgtgttga 180
aatcatagcc aacgatcagg gtaacagaac taccocatcc tacgtggctt tcaccgagca 240
cagaacggtt gat 253

<210> 23750
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 700909034H1

<400> 23750

gagtgaagat ggggtcagag gtgtctaaac agatggagcg aagaaagaca atccagacag 60
agaagaagag tctgtccgat ctgaaaagca gcggagaaga ctaccctggc tccgactacc 120

002222-03200

<400> 23753

gttcacatctgc acttgtagtg gaaaagcact ttttcttaat ttggatgatgg aatatgttcc 60
agactcgata catagactct ggaacatatt ccatcaccaa attaagaaaa agttccagag 120
tctatgtatc gagtctcaaa gttctatagt aatactaata agagcatgcc acttatttat 180
gtaaaacttt acatgcgcca gatcttcagg gggctggctt atatccacac tggtcctgga 240
ggttgccac 249

<210> 23754

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700909046H1

<400> 23754

cttttccgtg attggaatat tggacaggcc aagtcacacag ttgctgcttc agctgctgca 60
gctataaatg ctagtcttaa tattgaagct ctacaaaatc gagttggtac tgaaactgag 120
aatgtgttta atgatacctt ctgggaaaac ttgagtgtcg ttgtaaatgc actggacaat 180
gttaatgcaa gactatatgt tgatcagaga tgcttgatt tccaaaagcc tcttcttgag 240
tctggaac 248

<210> 23755

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700909050H1

<400> 23755

ctcccctttg cgcgtgttgt ttttgctgca ccaccgaaca acttcccctg taaatcgctg 60
ttcgttttgt caaggcttta aaagatggct gatgctgagg acattcaacc tcttggtgtt 120
gataatggaa ctggaatggt caaggctggt tttgcagggt atgatgctcc tagggccgtg 180
ttccccagca ttattgggag accacgcat actggtgtaa tgggtgggat gggtcagaag 240
gatgcttacg tgggtgatga agccca 266

<210> 23756
 <211> 264
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909052H1

 <400> 23756

 gcagcagggg gctctgccgc ctccaacaag acagagttca gaacacaaac cctcgaaccg 60
 aacgtttttg aggggttgata gagcacgatg gttcagtaca attttaagaa gattaccgtg 120
 gtgccaaatg ggaaggatgt ggtcgacatt atcctctctc gcaccagcg tcagacacca 180
 accgttgtgc acaaaggata tgcgatttca cggctgcgcc aattctacat gcgcaaagtg 240
 aagtatacgc agcagaattt tcac 264

<210> 23757
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909053H1

 <400> 23757

 caaaaatgtc gaagttaatc ttcgtgttcc ttgcactaat tcctcttctc tgcacctcct 60
 tctcgccaga gaaaccctca gatcggcgca tcctcgtttt gctcgatgac ttcgccatca 120
 aatcctctca ctctctcttc ttcaactccc tcaaactctcg cggcttcgat ctccaattcc 180
 acctcgccga cgaccccaaa attgcgctcc agagatacgg ccagtacctc tacgacgcc 240
 taattctctt ttccccccacc a 261

<210> 23758
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909054H1

 <400> 23758

 agggacccta aattgcagtg ggacctagag aggccgagcg agagagcgag ggagcatgga 60
 ggagggaaaa tggagagagc tgaagcaatt catagagata tgcaagtcca atccctcact 120
 tctccacaat ccatctctgt gattcttcaa gacttatctt ctcagcctcg gtgctcgcat 180

ccctcccaaa cccaaaacgg aaccaggtga ttttgatgac aagtcagatc tcctttatcc 240
gcacaaaatg a 251

<210> 23759
<211> 253
<212> DNA
<213> Glycine max
<223> Clone ID: 700909056H1
<400> 23759

catggcccga accgcccata cgtcgtcggt tgggtcgacc caagcaacaa gctctcgacg 60
cgcgtggacg aaagcggcga cactgacgcg aattgggacc aaacgctcac aattccgttg 120
ccaccaaagc ctctcgagga tcaaacgttg tacatcgacg tgggccacgc cggctcggag 180
gaggacacca agccgcttat cggctcggct cggctcaagc tgggtggacat tctcgacgac 240
gttggaatcg gcg 253

<210> 23760
<211> 113
<212> DNA
<213> Glycine max
<223> Clone ID: 700909060H1
<400> 23760

aagtttttga gatgttgta cccgtcttc tattgctatg cctaactctt ccgttgtgtt 60
tggtgtcctt cttcaaatac cgtaaaacct tcaagaatcc accacttcca cac 113

<210> 23761
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700909061H1
<400> 23761

ttcagctttt ccctcggtga aatgaaaatg gggtcttctt tgtggacttt gtgtctaatt 60
ttggcttcac tagcctcttc tgcattctgt gcctttccac ggaggccagt ggatgttcca 120
ttcggcagaa actacgttcc cacttgggct tttgatcaca tcaaatactt caatggaggt 180

tctgagattc aacttcatct tgacaagtac actggtactg gcttccagtc caaaggggtca 240
tactt 245

<210> 23762
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700909062H1

<400> 23762

cgagcattca ccattttctt gtggtttggg ttcttagaga cactaagtac tcccatggaa 60
caaaacaact aaagccttgg gtcttctaaa ttcttatgtt gatgcccgct gatcaccttg 120
atcagcatca ttgttgctcc acaagcggga gcagcacgag cattgttcgt gtatggcgat 180
tcgcttgctg actacgggaa caacaatttc ttggccacca cggcgctgc cgattcatat 240
cct 243

<210> 23763
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700909013H1

<400> 23763

ttcgattctc ttctctgcaa ctatgcctaa ccctaaggtc ttcttcgaca tgaccatcgg 60
cggtaacct gccggccgca tcgtgatgga gctctacgcc gacgtgactc cgagcaccgc 120
cgagaacttc cgcgcgctct gcaccggcga gaagggcgcc gggcggagcg gcaagcccct 180
ccactacaaa ggctcgtcct tccaccgct gatccgaac ttcatgtgcc agggcggcga 240
cttcaccgcc gga 253

<210> 23764
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700908971H1

<400> 23764

002220-ETFE560

aaaaaagtct cctttatata tatttaaatt gcatggattc cttttttttt atttataaga 60
 attaattcga ttgtaaaaaa atcaagaatt ctttaagtaaa ttaagtaaatt tcagatttat 120
 ataaaaaatt caaaattagt gtcattacta ttactgatca atcaaaatat ctatcaaaag 180
 taaaaagcga agagaaggga aaaactttaa tttttttatg gtaaaaaatt caattatacc 240
 tgttatttca ca 252

<210> 23765
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908976H1

<400> 23765

tgatgatgca acctctcaat gctacagcac acgcatttat tgcacacttc atcagcttga 60
 aactcgctga tcataacttgc aagcaagccc ccatccaata gcaatgccac ctcaaataca 120
 ctttttagca tctccaagtc cttcactatt tatttatgct ctcatgcat tgagtgcctc 180
 aagtgtgcct ttgggggtgat tctgtagtgt tggaaatata aaagaggagt gtggacttta 240
 aaagggta 248

<210> 23766
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908977H1

<400> 23766

tttttctagc ttttgctttg cttagattct gttctgcaga gagagagaga gagagtttca 60
 gaatttagag agagaatttt attttgtttt ttcggttatc tttattgggt tctcttacat 120
 cgtttttgta ggcgctgagg aagaagcttt ggcagcataa ctttggtggg gagcataaaa 180
 ttcaggcaag cccttgaagt tggagagtat tagatgggaa tcttagaatt ttctcttttag 240
 accaaag 247

<210> 23767
 <211> 268

003330-03200

<212> DNA
<213> Glycine max

<223> Clone ID: 700908980H1

<400> 23767

cggtattcgg cttgagatca atttcgatat tgtaattact caataattct catcatgggc 60
tccttgattg ttccagggtgc acatgatcag aaactaaagc ttgtttctcg accctttgta 120
tcaacgagtc acctcattcc cgtagtagac atagtttaggc tctttgacat tcatgggtgtt 180
gatgtcacca taatcatcac cataggcagt gccgccattt tgcagagctc tatcgatcgc 240
gaccgtgacc gcggccacgc tattagaa 268

<210> 23768
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700908982H1

<400> 23768

aaaaaccgct ctcttctcca acgctgtctg tcaccttaaa aaacaaagtt ccacttcac 60
agattcacct aaaccacacc attcgcatca acacagcact tgtttggtcc caactccgaa 120
aaatatcatg ctcttaacgt aatatcctcg gtttccccgt tcaaccgca tctcaaaaaa 180
caaaactatg gcatcactct caggcatttg ctctcttcc cgcactctca aaaaattccc 240
aaaccaatcc cca 253

<210> 23769
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908984H1

<400> 23769

gagaaagatg tcgaagcgtg gtcgtggtgg ttccggcggg aacaagttcc gcatgtcgct 60
gggtcttcca gtggcggcga cgggtgaactg cgccgacaac acgggggcca agaacctcta 120
catcatttcg gtgaaagga tcaaaggccg tttgaaccgt cttccctcgg cctgcgttgg 180
cgacatgggt atggccaccg tgaagaaggg aaaaccgat ctgaggaaga aggtcttgcc 240

agctgtcat

249

<210> 23770
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700908986H1

<400> 23770

ccggttcctc cgtctccaac ggcgggtgccc ctccaaactc gacgcccacc gccaccacca 60
tcgtcgtcgc agactcctcc gatccgaagc ggcggcgccct cgagccagtc gaggagaaaa 120
agccgcccgc gacgccggac gactcgcggc ggctgtttca gcggctgtgg accgacgagg 180
acgagatcga gctcttgcaa ggcttcctag actacacctc gcagcgagga tcctcgcacc 240
acaacgac 248

<210> 23771
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908987H1

<400> 23771

aaaaggccac ctataagagg gccgtatgac caacgaggaa gcaatgaaca tttttgagga 60
gatgccagac tatcaatcat caacgcaagc ccaattgtgc tatttataat atttttatca 120
atggatttgg gaaagcaggc aacgttgata ttgcttgtga tttgttcaaa aggatgggta 180
aggaagggat aaggcctgac ttgaagtctt ataccattct tgtagaatgt ctgttcatga 240
ctggtagag 249

<210> 23772
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700908988H1

<400> 23772

ttcatatcat atcaattaga tttgttttca gagtgtgcta gtgagatacc atggacaact 60

acaacagcaa tgacttttgg aaattcagtg accagttgag gcttgaatct ggtttggcca 120
atctgtctct gaatgattat tccatttggg gcaacagcta cagctccaag aggctgac 180
agaggaggaa ctttgatgtc aagggcagtg atttcaacaa ctcatcaaag ctttttgatg 240
atgatttcaa 250

<210> 23773
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700908989H1

<400> 23773

tcggtctgag ttcaaatcca aatggccctt tacattacac taataattgg cctcctagta 60
gacaccctag tactctataa gtagcatgtg catgcacctt agtcttcacc aaaatactcc 120
tcttggcatc ttgtagtgtg tccctctagt aagctatttc cttctcttaa cacaattggg 180
tgtgccaatt gcgtgaggtc accaaccaat taacaaaggt atatatatca tcatatcatc 240
accaaagtaa aaatattgg 259

<210> 23774
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700908992H1

<400> 23774

ctctgaattc ctcttattca ggaatttggg gagtattgat atatcaaggt aggataaacc 60
agtagtcaag gaagatatgg agttttctat gattttcatt gtttagcaaca ttatgctgct 120
tttcagttca gcatttgcca aaactgctag tcctccctct ctgagcccaa ctccagcacc 180
agccccggca ccagacttcg tgaacctcac tgagttactc agtggttctg gtccgtttca 240
ca 242

<210> 23775
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700908993H1

<400> 23775

catttccctc cccccactcc caccgccaac gccaaacaaa ccctaaatct ctctcgtctt 60
cttcttcttc ttctctcttc aaccatgaga gagatcctgc acgttcaggg aggccaatgc 120
ggtaacacaaa tcgggttccaa gttctgggag gtgatatgcg acgagcacgg catcgatcct 180
accggaaagt acaacgacga aggcaacagc ggcacccaac tcgagaggat caatgtctat 240
tacaatg 247

<210> 23776

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700908994H1

<400> 23776

caattggatg ttatttagat ctggattttt taaagatatg caccagtgcg ttctccatgg 60
acgctgtcgt atcgtaattc gccaccacac tgaccacctc ccgtcctccg ccgtgaagtt 120
cagcgggtggc ttttattttc cgtttgact gtgtcgcagc actgccgcca ctatcccctg 180
tttctcttcc ctctgccaac aacacaaaca ccaacatcaa acagcgggtg ctttttttagt 240
tactt 245

<210> 23777

<211> 248

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908995H1

<400> 23777

tctttgcgca gttccctacc tctcctttca agatgcagat ctctgtcaag accctcaccg 60
gaaagaccat cacccttgag gtggaaagct ctgacaccat cgacaacgtc aaggccaaga 120
tccaggacaa ggaaggaatt cccccggatc agcaacgtct catcttcgcc ggaaagcagc 180
tcgaggacgg ccgtaccctc gccgactaca acatccagaa ggagtcaact cttcnnactt 240

gtcttcgt

248

<210> 23778
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700908996H1

<400> 23778

ctcgagccga atcggtcga gaccaatctt ctctccacgc ccttcttggg tcaccgtctg 60
aagtgcagca atggcagatg gattgcattc gcagcatcca tcggtagttc agaagttatc 120
tggacagtct tatcttgtgt ccaggcttgc tcctaatacac tccagaaact gttctaccac 180
tggtagttac ttcaatggag gtttgcagtc ttcaggtttg gttccagtcg cggcacacgc 240
gccggctgag a 251

<210> 23779
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 700909002H1

<400> 23779

aagaaaacca ttgatggcac tcctcactc catctctgcc ttagccacca cactcacact 60
ctctctgcc acaaccaaac ccagaaaagt taaccccttt ccctttttct cgaacaaaaa 120
gacacgattt ttaacgaaac aaacgcgacc cagaagcaga agaagcctct ccctaaccac 180
tgcacgcgtt gggcgccac cctcaactgt tgaagccgat caatcatacc cggagaccga 240
aaataacgaa actgaggaag agtttaacga tgaaa 275

<210> 23780
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700909003H1

<400> 23780

tgcagagtgc agagccttct ctctctatt ttggttcca acctttttgc tccattcatt 60

<223> Clone ID: 700909007H1

<400> 23783

cggctcgaga attataagca tgggtttgtg gaacacaacg aatgcagtgt cttgccgctt 60
tcacaagttt ggtgatgacc aaaagaatct ggtcttccaa ggtgatgcca cgtcttcttc 120
caggggcata gaactcacia agttagacgg tggaggaaaa ccagtgggtg gcagtgtggg 180
gagagtgtta tactcttctc cagtgcacct ttgggaaagc tctacagtgg tcgcaagctt 240
tgaaaaccgac ttcacctttt c 261

<210> 23784

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700909008H1

<400> 23784

ggccggtgtc gaaaagtttg tacagaagga tcaaccgggt attagcagag ctcttgtggc 60
tggagcttgt atggcttatt gattggtggg caggagttaa ggtccaaata ttcacagatc 120
atgaaacctt tcgtttaatg ggtaaagagc atgcacttgt gataagcaat cacagaagtg 180
atattgattg gcttggttga tgggtttcag ctcagcggtc aggttgtctt ggcagcactc 240
tagctgtgat gaagaaatc 259

<210> 23785

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700909009H1

<400> 23785

ggaattctgc tcgagtcagg gttcacgttt cacaatcact ttttgcctt ctctcactca 60
ctcactcttc ttcttctct tcgtgtggtt tttttctcg aactcgaacg aagatgcgtg 120
agattcttca catccaggga ggtcaatgcg ggaaccagat cggagccaag ttctgggagg 180
tgggtgtgcgc ggacaccggg atcgattcaa cggggaggta ccaaggggac aacgagttgc 240
aactcgagcg agtcaacgtc tactacaatg aa 272

0953113-032200

<210> 23786
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909010H1

 <400> 23786

 ctagacttag ctattcttac ctcttggcat gaccattcaa atgtgctctt ttctcttagc 60
 ttctcttgct gttttctttt tcttctcttc cttggagaag agttttgcct ttcaagcagc 120
 aagaaaggag gacacagaaa gcaacaatct tcatcaatat actcatcttg ttcacctcag 180
 ctcactcctt cttcatctt cttgcagctc ttctaccaa ggtctcaaaa caaaagcatc 240
 attagaagtg gtaca 255

<210> 23787
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700909012H1

 <400> 23787

 caactgttta tttgtcagca ggaactgcaa cagctttgat tcttatagga ggggagacca 60
 tgaaactgtt cttccaaata gtttgtggtc ccacttgtag ttcaaactct ttaaccacag 120
 tggaatggta cttggttttc acttctctat ccattgtcct gtctcagctt ccaaacctca 180
 attcaattgc aggactctca ctcatcgagg cagtgcagc cataacttac tccaccatgg 240
 tttgggtact ct 252

<210> 23788
 <211> 252
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908969H1

 <400> 23788

 acaagatccc ggaaaggcgt gccggcgctc gagactcatc agttctcact cgtagggcgt 60
 tgtgctttgc tttctcacct tcttcttcat ttctttcatc atcatcatca tcacaatata 120

0953113-030200

aagtttgctc ctttctcagt ttccacccat acccagatgt gtaacagcac catctcggat 180
 ctgtgtccct cctttaagtg aaaaagggtc aatctttggt ctctgaggct gttgggtttt 240
 cgtcattgaa ga 252

<210> 23789
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908922H1

<400> 23789

ctcacattgt catcctctat tgtcttgtga ggggtggtggt tgaagagggt cgagatgcag 60
 aggctcgagt tcctctaccc actgatgagg ttcatacagt gggacaagcc cccaatcaat 120
 tcattcagtg gtcaagaaga cttgtgaagt ctatgtcagc caaggctggt gtcgaatcta 180
 gcaaagatgc tccacacaaa aggttgaac ctcaactga tccgctcgaa cgcttgttga 240
 taatagtaag caaaatt 257

<210> 23790
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908923H1

<400> 23790

ggtcactgac ctatcttga agagttttga agtttaaacc ttcaaaccct tttgccttta 60
 gattctgatt ctgagtcctt gctgctatat atggcgccac gcgtatttct tgtgttgggg 120
 atgttgctga tgggtgacct tgtaagggt tcgtctgac caaagagaga agaagaaata 180
 ctggaagaag aactacattt tcccataac gagccactta ttgtgagaga cggaacaga 240
 aggctaatgc aagacat 257

<210> 23791
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908924H1

<400> 23791

gaaccaccac taccttatcc atttccactc ctcaccaagc cacaccatgg cctcaaccaa 60
cgccctctct tcagcttcca ttctacgctc tcccaaccgc cagtctctga ccagaagagc 120
gaaccacaac ggaagagtaa attaccgtca accgaatagc cgtttctccg tcaaagcctc 180
cgccaaagag attgcctttg accagcattc ccgctctgct atgcaggccg gcattgacaa 240
gctcgccgac gccgtcgggc 260

<210> 23792

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700908926H1

<400> 23792

tttggaaattc acgaagaaat gttgaaggac agtgtgagaa ccaagacata tcaaaatgtt 60
atztatcaga acaaattttt attcaagaat aaagtagttc ttgatgttgg tgctgggact 120
gggattttat cactattttg tgccaaagca ggggcagAAC acgtctatgc ggttgagtgc 180
tcccatatgg ctgacatggc gaaggagatt gttgaagcta acggttactc taatgttgta 240
acagttttga aggg 254

<210> 23793

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700908927H1

<400> 23793

gagaattagt gcatgtgaag attccagcag gcaagcgatg tgggtttgtc caattcgcag 60
acaggagctg tgccgaagag gcaacttcggg tgttgaatgg gaccctgttg ggtgggtcaaa 120
atgttcgtct ttcatggggc cgcagtcctt caaacaacaa ggctcaggca gatccaaacc 180
agtggaaatgg tggtgctggt tctgggtggtg gatactatgg gtatgctgca caaggttatg 240
aaaattatgg gta 253

<210> 23794

<211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908928H1

 <400> 23794

 ccacattcaa atccaaatgg cccittacat tacactaata attggcctcc tagtaaacac 60
 cctagttactc tataaatagc atttgcattgc accttagtct tcaccaaagt actcctcttg 120
 gcatcttggtg ttgtgtccct cttttaagct atttccttct cttaacacaa ttgggttggtg 180
 caattgccat agtcaccaac caattaacaa aggtatatat atcatcatat catcaccaaa 240
 tgaaaaatat tggg 254

<210> 23795
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908929H1

 <400> 23795

 cttcttctctc tctcttcgtt ctcgtctctct tattcctttc tctcttggtc tctctccgaa 60
 tccacgtcct agatctgttg ttctcttccc acagttctca ctgaatcagg atccattttg 120
 ataccaagtt gctgtttaga gatctgtttc cttctagaca acggtctgtg ctatctgtta 180
 ttttagttga atcgaagctg caacaaaatc ttctgatct ttgctttgag gttatggcat 240
 cggcgggtgt agc 253

<210> 23796
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908930H1

 <400> 23796

 ttcgaaacca tttttcgtga aaataggtgt tttttttagt tcgtcgtttt gctcttcgtg 60
 ttgttgaagt gcaacgccat ggatccagat cagggcactt caaaagcccg gaagcccaag 120
 ttcaaaccga ggaatctcaa agcagtcgga gtcaccaaaa ccgaagcgga tgataagcga 180

aacgaagata gcgaagtgcc tcgagctctc tcgcgtcgac gacatgaaaa tcctgcaaaa 240
cgcgagccta aag 253

<210> 23797
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700908931H1

<400> 23797

tcgaggtgcc tgttctctgt aactgtgttt ggagtgttaa aacgttcagc ctagtcaaag 60
attcttgttt ctgctgtagc tttagttagt agctaagcac ctcagaaacc agatctctgt 120
agaaagttaa gttttttttt tgggtcgaat tctattcttt gttgtaccaa catgctctcc 180
acggattccc ttttgaaaaa tttccctggt tctgtaaacg gattcatatt tgaaaacggt 240
ccg 243

<210> 23798
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700908932H1

<400> 23798

gctcgaggtc tttcgccgca atttcgaaga tccaatttct ttcattgctt tcattgttct 60
tttgtctgtg attcgaagga aagggaactgt gacgatttct gtgattaggt ctcgttcgctc 120
gtaattggcc taaccggcct tgccgaccat cctgctatat caccacccat attctgagtc 180
ccttttctca tccaattctt tttcttgtat cttttttcaa ttttaaattg ttcttcgctg 240
tcagtattgg ttgtgtggta tcagattc 268

<210> 23799
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700908935H1

<400> 23799

002222-032200

gagaattcgt tttctctcct ctgtgtctgt cgtctaaagc ttaattccga tggggactcc 60
 ggaattccct gatctcggca agcattgctc tgtttcttat tgcaagcagc ttgatttctt 120
 gcccttcaca tgcgatcgct gtaatcagat atattgtttg gagcaccgag gttatattaa 180
 acataaatgc acaaaggcca acaaacatga tgtcacagtt gccatatgcc ctctttgtgc 240
 caaaggagtt cgcttc 256

<210> 23800
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908937H1

<400> 23800

ctactgctct ctctctccct ctccctctcc ctccaaattt tccttcattc tcacgcgccg 60
 ccgtgggttc cgccggcggc tactccctat ccaccgcgca tccatcccgc ttcctctctc 120
 tcgcttttct cacaaaacaa aaaaaattaa aaatttctcc gaagactgtg tattatcggt 180
 atcgttcact gagttagggt ttgctgttct tcttaggggt ttattgtgtc caataacaag 240
 aggaggggga agagaaa 257

<210> 23801
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908939H1

<400> 23801

accagctatc tcagaaactca gagaaacttg gacttctgtt ttttggtttg agtcacttga 60
 atctacaagc aagcaaatac tacataataa gaatctgttg gtatttcctc atgtagatat 120
 gttacagaag aagatatcaa aacataaatt ggctgggtcaa aatctgaatc cttcggaagg 180
 ccagataaat gatgaaacca tatctattga atctgggttg catcttcctg atggttcatt 240
 gaacaaggta cctgac 256

<210> 23802
 <211> 253
 <212> DNA

003313-03200

<213> Glycine max
 <223> Clone ID: 700908941H1
 <400> 23802
 ttctcacact cattccgtgc tctaaatctc aaattctagg gttagggttc ccaatttctc 60
 cgccaatcag aagatgactt ccaccggtgg ttctaccaag ggcggaaggg gcaagcccaa 120
 agcctccaaa tccgtttcaa gatcgagaa agctggtctc caattccccg ttggaagaat 180
 cgctcgattc ctttaaggctg ggaaatacgc tgagcgtgtt ggtgctggtg ctctgtgta 240
 cctctctgca gtg 253

<210> 23803
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908942H1
 <400> 23803
 aaatagactg tgaggttctt gggaaccaga ccggagaaac ttaatatattt gcaaacaatg 60
 tgggtcaacgg ttggcagggg gaacagagac caaggatcta acttctgggt tgaccttaaca 120
 ggagattttc a 131

<210> 23804
 <211> 194
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908944H1
 <400> 23804
 ctgaaaatgg atcgagaatg gggatcgaag ccggggagcg gaggtgcggc gtcggcgag 60
 aacgaagcca tagaccggcg agagcgtctc cggcgactgg ctctggagac catagacttg 120
 gcgaaggatc cctatttcat gcgcaaccac ctcggaagct acgaatgcaa actctgtctc 180
 actctccaca acaa 194

<210> 23805
 <211> 245
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700908945H1
 <400> 23805
 cgctctgttt ctgtctctgt atttgcggt gaggattccg aacgagcgac cttcttcgat 60
 tctcgcaaag ttttagtcat catggctaag gaaaagactc acatcaacat tgtcgtcatt 120
 ggacatatcg actctgggaa gtcaactacc actggtcatt ttatcaacaa gcttggaggt 180
 attgacaagc gtgtgattga gaggttcgag aaggaggctg ctgagatgaa caagaggtca 240
 ttcaa 245

<210> 23806
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908947H1
 <400> 23806
 gaattcggat tgagcgaata ttatcgcgat gttgaattcg gaggatctgg aactgcgtgt 60
 tgttgcgttg ggggtgcgcgc tggagatagg gtacttcggg cggaaggaag cggtggaggc 120
 gatgatgaag gaggggttg tggagaagct ggtggagttg cagaggtcgg agaaaggtgg 180
 ggatttgatt gagattggaa gggaaaaggt tagtgggggt ttggagagaa aaccttttgc 240
 gagctgcgtg gcgaggtttg cggg 264

<210> 23807
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908948H1
 <400> 23807
 atcgtgtctg attcgttttg aactgtacaa gaccagctt caagagctgg ccagcggag 60
 tgcttcaacc tgccttccta cagtggtatt cggcaaggct ccgatcacgc gccaaaggtc 120
 aaggccaccg tcaactttaa cggcgagatc ttcgagacct ctcaactactg ctccactctc 180
 cgtcaggccg aacactccgc cgccgaagcc gctctcaatt ccctctccca ccgtggcccc 240

002220" E.T.F.E.S.60

tcccattccc t

251

<210> 23808
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700908954H1

<400> 23808

ggaatttggc tcgagctcga gccgggctaa gacagagcac tgtctgagtg aaacatccat 60
tcttttcttc cacctcgtga ttccacaca ttctcttctt attcccagct ccacgcgctc 120
gtttctatat tctcatcact cgcgctcttc ttctgcttct tctccctcca ttaggggttg 180
cttaatgctg aatgtggctt cctcgcgcgc acattgaccc ttgacacacc ataatgtccg 240
gccctctcga ctgttttcga agaccctgt 269

<210> 23809
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700908959H1

<400> 23809

gttgggttta gaatcttcaa tcttggttgg gagagagatg tacatagctt ccatgggaag 60
gtctttcaag gactccttga aactgcttga agctgatatt caccatgcca ataccctggc 120
gtcagatttt ccaaggggaat atgatggtgc gtgccttcag atgagaatgt catatagtcc 180
agcagcacac ctgtttctct tattggtgca atggacagac tgctaattct gccggagccc 240
ttggactggt aag 253

<210> 23810
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700908962H1

<400> 23810

actctaacca acttaccac caactaataa tctttttaat tccaaaaaac caaacaatgc 60

002260" E.T.F.560

ctctttttct cacttcacaa cttttatttc tgtttgagtt ctccaatggc agctcctgca 120
ccattctctc tttcttctga tcccttcgct tccaaatctg ccacatcaac gatctttggt 180
cctgccgcgc tgaaaaaagg gaactttgag caaaccatt tcggaatttt cacggcttta 240
aggagaa 247

<210> 23811
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 700908964H1

<400> 23811

tcagacctaa attcggaacg aggtgagctt ccagttgtat tcatggactt accggagaag 60
cttttctttg cagcatttct cattctttca gtggccattg atggaacgca ggcagacacc 120
atgggtcactg gcactgtctt ctgtgaccaa tgcaaagacg gacagagatc ccttttcgat 180
tatectatta atggtgcaaa agtaactctg tctgtgctg acagtaatgg acaaattaca 240
atgtcaagag aagaaacaac aaactggttt ggaagc 276

<210> 23812
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700908966H1

<400> 23812

ctggaagaga agtgggaagtg gaagtgggag cagaagtgga agtgggaagtg ggagcagatg 60
cagcttcac ttccacttct gatgccctgg aagagaaggc ctggtttcgc cccaccagtc 120
tcgaggattt cgagaagcct cacacccttc cttacaacc cttttctttc tttcaattag 180
gacatcatat atattatata aaattaaata aataaacact agtcagtagt agtgactagt 240
gaccaagtgg aagt 254

<210> 23813
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700908921H1

<400> 23813

ggaattctgc tcgaggattg ggggctgctg ctgcgagaga aaaaaagaaa agaagaaaca 60
gtttgaagtc agatgctaga tatgggaagt ggagtttcaa ccctctgttg gtgctctcgg 120
atcaacgaac ccgacgttat ttccaccgcc accgacccat tggacgaaac cctaggccac 180
tccttctgct acgtcagatc ctccgcgcgc ttcctttctc ccactcgc 228

<210> 23814

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908968H1

<400> 23814

ctctctttct ctttctctct ttccctgggt tggagaactt gcaggtcctt aaaattaaac 60
catggcttca tctttaaac aacgcattgt attccctctt atgttcgtaa ttggtatgtt 120
ctgcttaatg gtaactcctt ctattgcgga acttcccata ttcaaaccacc ctccaaaaaa 180
acaacaatct cttaatatat tggtccttgg agattgggga agaaaaggaa cctacaatca 240
atcttttggtc 250

<210> 23815

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700908879H1

<400> 23815

atcacttggt gatgcacaca agccattgat gtttcagtgg tgatgcttgc tcgccccggt 60
gcaaacaatca ttcttccaag accaggtttc ccactctatg aacttagcgc ttcatttaga 120
ggagttgaag tgaggcatta tgatctgctt ccagagaaaag gttgggaggt tgatctagat 180
gctgttgaag ctcttgctga tcagaacact gttgctttgg tgattataaa tcttgggaaat 240
ccttggtggga atgtgtaca 259

<210> 23816

002230-CTT550

<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700908881H1

<400> 23816

gcgttgtgtc taacagtcta agtctaacgt tgtggagcat agaagagaaa gagatgatat 60
tgaactgtgt cagagtgaca gctatgccta tgatggctgt tcctaggtgg agatccacct 120
gctgctgcgc ttcttcttcg tcttcagttt caaccatcaa cacagaccaa cttcgttctc 180
aacttgatca acttcatgca gaagctgatg ccaccagaac caaggcaact aatgctagat 240
tgaggcttct gcgact 256

<210> 23817
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700908883H1

<400> 23817

ttctctagtc tctgtcctac cacaaaaatg gtcccaaac caatcttagt aacaacacca 60
ccgccggcaa cttctgcacc ctctccactg ctcaacgcag tttcaccctt caaacagaa 120
gaaaaacccc aaacacaaac ctaaaaaacc cccaccacca cactcaaaa agctataacc 180
agaccaagcc catcatcatc caccacaaa acgacgccgc agcagcgcgt ggatctaaag 240
agaacaacaa actc 254

<210> 23818
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700908884H1

<400> 23818

caagaagcac aatttctctt tctctctttt tttgtgtgtc caaatggct cctagttctg 60
ctcacaacaa tgggttctat gtgcttatgc tagttgggat agtggtttagc actatggttg 120
ctacctgtgc tggtagcttc taccaagact ttgatctaac atggggtggg gaccgtgcta 180

agatattcaa tgggtggccag cttctatcac tttccctaga caaagtctct ggctctggct 240
tcaaatcaaa gaaa 254

<210> 23819
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700908885H1

<400> 23819

aatcttcata ttcatacaac tcatcaaaat gaatctgtac cactcctcca ccaccaccac 60
caccaccacc atcttcaccg tcatattcct cctccttgca atattattca ctctcacacc 120
ccacaaggcc aacggtgcc a cgtgtcaccc tgagcaagaa gcgggcctgt tgggcttcaa 180
atccggtatc cgatccgacc cgtccggcct gctcagtaac tggatatcgg gtacggactg 240
ctgcacatgg accgg 255

<210> 23820
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700908886H1

<400> 23820

gctccctgac ctctcttccct ctgctgaaaa tgggtgtcacc actcacttcc aatcccccca 60
aagcgtcaca aattcatgga tgaagaagag gttctatgtg gaaaccttggt tgagtgttct 120
gcctcctgag aaggattctg tcccatgcaa cttctcctt cgccttctca gaaccgcaa 180
catggttcgt attgacgcca tttatagagg tgagcttgag aaccggattt cgtggcagct 240
agaccaagct tc 252

<210> 23821
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908887H1

<400> 23821

0053113.032200

<211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908895H1

 <400> 23827

 aaagtgaaca taaccttggg aaagctgttg aaaatgttaa ccaagaaatt acctcaccta 60
 gctcagtgat gaacatccat gcaatggaag atttcagaag tagaggagct gaaacattga 120
 agttttctcag taatttggat cagatcaaatt tgcttggaact tcacccatca atgtccatgg 180
 acgatttggg aagccacatt ggacattgca tttcagaaca gatgggatcc gacaatccga 240
 gtttggctgg tgacaccagt ata 263

<210> 23828
 <211> 267
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908896H1

 <400> 23828

 ttctgcttca gcagagtcag gttcaggaat actgcagaca cctaactatg ttgcccagca 60
 gtggcaaact gataggtag gcgctggtt aagttccttg gatcaagatc gtcctgataa 120
 acttgagct tcagcacagt cactatcaat tcccctagta gtcagcagt ttcttccaag 180
 ttctgcttct cctggtgctt ttctgggtc catggtata tcattctctg ttcaaccagc 240
 taaccaagct cctggtgctc atttatt 267

<210> 23829
 <211> 289
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 700908902H1

 <400> 23829

 tcgcacgcac gctttcgtga tctcgtgctt cggtaccctt tgttcttctc ccaccaactt 60
 taccgtgggc nncctcgatc atgtctcact tcaanggcaa gtaccatcat gagcttattg 120
 ccaatgctgc ttacattggc actcctggaa aggggtattct ggctgctgat gagtcaacag 180

ggacaattgg caagcgtttg gccagcatca gtgtagagaa tgttgaatcc aacaggcgtg 240
ctcttaggga gctgcttttc accgctcccg gtgctcttaa atatctcag 289

<210> 23830
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700908903H1

<400> 23830

agaaaatctc tggcttatgg tggtttgtcg cgtggccttc atgaagggtgc aaaagtgatt 60
gagaagcatg ctgcacaact ctgtgttctt gcagaagact gtgaccagcc tgactatgtt 120
aaactggtta aggccctttg tgcagagcac aatgttagcc tgctgacagt tccgagtgc 180
aagacccttg gagaatgggc tggtttgtgc aagattgatt ccgaaggaaa agcaaggaag 240
gttactgggtt gctcctgtgt gg 262

<210> 23831
<211> 212
<212> DNA
<213> Glycine max

<223> Clone ID: 700908908H1

<400> 23831

agttcattcg caagacacag tattttgagt agctttatta ctttatgggtt gggatattat 60
gtactggcga attttaatga gccaccgggtt tccaaaatgt actgcgaaat ttttttatgg 120
ttggtacatt tcttaaataa tgtgccgaac tactgataca aacaaacttt tgaactctta 180
ccaaaatgaa ttgatgtttc acgatattga tt 212

<210> 23832
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908909H1

<400> 23832

gataacatca cacagcatta gtatgtatca gcaacaaggg tcagatccaa caaagcaatc 60

095413-03200

<400> 23835

cttcaatacc caaaacatct tggtttgtgt ctttcgttct ttactctca acaatggatt 60
tccacacaac 70

<210> 23836

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700908914H1

<400> 23836

ggatttttgt tattattttg tggcagcagt gacagagtga ttggtgtgag tgcggcaatt 60
actggaacag cggttgagtg tgcgatcgag aaagcagaga aatgggggtg gaatcggtgg 120
gagatttagc gattcacgtg attctcagta agttaggagc ccaagacact gccagagtcg 180
cgtgtgtgag caaaagggtc tggtcttccg cttccgacga cactctctgg atcaatcact 240
gcttccacga actcg 255

<210> 23837

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700908916H1

<400> 23837

gttgtgtagc ggtggattgg gtagaagaag atgagagggg tgaagagagc agtattttgta 60
ggcagagccc taagaagcaa ttccaacacc gccgtgtacg gtgttggtgc cacccttcat 120
cgagatcgaa tggctcccca tggctgctta accccatcaa atccaaatcc ttctgtttct 180
gttactgggt ttagatacct ttctgcttct gctgctgcca cgtctcttgc ccaagacgct 240
cagaccaagg cct 253

<210> 23838

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700908918H1

002220 002220 002220

<210> 23841
 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908834H1

<400> 23841

gcattgccaa tggatgggcc tcaagtgtct ggtgtccacg tacaatggag tcaggaggcg 60
 catctcgtgg cccattagca gagacgaggt ttggatcagt aatgtgctcc atacgcgtct 120
 agtcgaggat agaggagggtc gtgattggct gtcagtgaag agggctgaat ttggatttcc 180
 tggaggaggt actcaatgta tacatgggtgc ag 212

<210> 23842
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908836H1

<400> 23842

cactgcattc cctttactct ctctgtcttt tcttcaacct ctctcggttt cgaagaatcg 60
 caatgacgaa ctccatgggt cccccacccc ccaaaaaccc taatccacct gacaccgcgc 120
 caccgtcaat gctcctcct cctcctcgtg actcagcggc cccgtcacgc ccgccgccac 180
 cgccaccagc tcgcgattcg agcaatgctc cctctcaggg tgtggcagtt ccgtataaga 240
 tacctccgtg gggcgccg 258

<210> 23843
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908837H1

<400> 23843

tagttatgtt ccgtaactta tgggctctta attaaactat atctgcacaa aattatatat 60
 atatcaaatg tgatgggatg tggactataa aaagatatgg ttgagaacca caaactttga 120
 aacttcgaat aatatattgc cagtgacagt cttgttgatt tgttatagc 169

<210> 23844
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908839H1

 <400> 23844

 caaaagacaa aaaaataacc accaaataaa catctttctc cacaaaccta gcgggtctcc 60
 acttatccaa aaaaagaatt cactatccat catggacatt aggaaggta cctgtgccgt 120
 tctcattgcc gctgcctcca tgagtgcagc attggctacc acagaggctc ctgcaccgc 180
 ccctggccct agcagcggtg cctccgccgc cactgttggc tccttggttg gtgcctcagt 240
 cttgtccttc ttg 254

<210> 23845
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908844H1

 <400> 23845

 cactgcattc cctttactct ctctgtcttt tcttcaacct ctctcggttt cgaagaatcg 60
 caatgacgaa ctccatgggt cccccacccc ccaaaaaccc taatccacct gacaccgcgc 120
 caccgtcaat gcctcctcct cctcctcgtg actcagcgga accgtcaccg ccgccgccac 180
 cgccaccagc tcgcgattcg agcaatgctc cctctcaggg tgtggcagtt ccgtataaga 240
 ttctctcgtg gggcg 255

<210> 23846
 <211> 169
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908845H1

 <400> 23846

 tagttatgtt ccgtaactta tgggctctta attaaactat atctgcacaa aattatatat 60
 atatcaaatg tgatggatg tggaatataa aaagatatgg ttgagaacca caaactttga 120
 aacttcgaat aatatattgc cagtgcagct cttgttgatt tgttatagc 169

<210> 23847
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908848H1

<400> 23847

aagaagttca accttccaat cctcccaacc accacaattg gatccttccc tcagactggt 60
 gaactgagga ggggtgcgtcg tgaatacaag gctaacaaga tctcagagga ggagtatggt 120
 agttcaatta aagaggaaat ccgcaaagtt gttgaactcc aagagaatct tcatatcgat 180
 gtcttggtac acggtgagcc tgagaggaat gacatgggtg agtactttgg tgagcagttg 240
 tcaggctttg cctttaccgt taatggc 267

<210> 23848
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908849H1

<400> 23848

gatcctctat acctctctct cccgtaagtg gaggttcagc cgttggatca tacaaaatgg 60
 ctctgataat ctaaataaat taaagtttcg gtgtctcgca cgcacgcacg cttcatggat 120
 gacatgaacg agttgaggaa gaagagaaaa accgcagacg ccgagtgaga gccgaaaactt 180
 ctctcatgga atcgcaaacg gatctgctga accgaccgga aatcttctta attggatcct 240
 ctaacgtcgg caaacgcac 259

<210> 23849
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908850H1

<400> 23849

gacttacgat tggctgatgc tcttttctgt aattaccctt gggatatgtg gctggatgat 60
 ctatcttggt cttcatgttc tgcagtctta tacctcactg tcaggagatg cttttggaat 120

gccttattgt .catgtgtaaa ggattctgat ttcaagacaa caatctatcc tttgaggtta 60
 agttcaatga ctttgaatac aagctctatg tctatggcgg aggagaatcc aacatccaaa 120
 gaaccacat ctgctcaagg tcatgggtgca gaactgcagc ttagtgatgg cagtagcata 180
 tatgcaaagt tgggtggttg cgctgatgga ggaaatcac atgttaggga gttagcagga 240
 atcaaaacaa ctggatgg 258

<210> 23853
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908857H1

<400> 23853

gaaatttgtt tctctctaaa gagtctccgc tgaacttttt ggtttcttga agatgtcgtt 60
 actctccgat cttatcaacc ttaacctctc cgacatcacc gataagggtga tcgccgagta 120
 catatgggtt ggtggatctg gcatggatat gaggagcaaa gcaaggactc tctcgggact 180
 ggttaatgac ccttccaagc ttccaagtg gaactatgat ggttccagca ctgggtcaagc 240
 tcctggacaa gatagtg 257

<210> 23854
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908858H1

<400> 23854

gtctcgctct ctcatctatg tcccaactgt acgacggagg acaggttgcg taactgccac 60
 caacccttcg ccgcacggtg ggcgtggtgc tttgccttct gaaggtggta gcccttcaga 120
 cttgctcttc ttagctgggtg gtgggttctgc tgtcttctag cttcttttta actctttttt 180
 ctttttacta cttttaagct accttggttct caaaataaca aaaacaaaca ctttcttact 240
 tcataagatc accttt 256

<210> 23855
 <211> 257

095311-03200

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700908859H1
 <400> 23855
 aaagagttca ttcagaaacc cgcacgaact aaattttcag attttgtttc cgatctctga 60
 agaagagagt gatggcggaa ccttggagaa acatcgacgt ggagaagctg atctcgtaca 120
 gcgacgacct cgtcaagggtg ttgtcggagg gtccgcgcga cctcaacaac ctctctgcat 180
 ctctccaaca aacacgcgct ccctcttctt cctgcgactc cgacctcaat gaagctcgct 240
 ccttcctcca tgactat 257

<210> 23856
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908862H1
 <400> 23856
 ggaatgtatg attccctgaa gccagtagtt ttggttggtg gggtgcagga tagtttcttt 60
 gctagtttcc ttttgggatg gggaatcaca attggtgctg gtttggcttc ttacccatt 120
 gacactgttc gtagaaggat gatgatgact tctggagagg ctgtgaagta caagagctct 180
 ttgcatgcat tccaaacaat cgtcgcaaat gagggtgcca agtcactctt caaagggtgct 240
 ggtgcaaaca tattgcgtgc t 261

<210> 23857
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908863H1
 <400> 23857
 gtgaatgcgt atccgttttt cgcttacgct gcaaactctg ataaaatctc tttagactac 60
 gcgctattca aggaaaaccc cggcgtgggt gattccggta atggtttaaa atacacgaac 120
 ttattcgacg ctcaaatacga cgccgttttc gctgccatgt cagcactcaa atacgacgac 180
 gttaagatcg cggtttcgga aacgggttgg cttctctgctg gggactctaa cgagattgga 240

gccagccccg acaatgcggc gt

262

<210> 23858

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700908865H1

<400> 23858

ctacctctcc cttcaagatg cagatcttcg tcaagaccct caccggcaag accatcaccc 60

ttgaggtgga aagctctgac accatcgaca acgtcaaggc caagatccag gacaaggaag 120

gaatcccccc ggaccagcaa cgtctcattt tcgccggaaa gcaacttgag gacggccgta 180

cccttgctga ctacaacatt cagaaggaga gtactcttca cctcgtcttc cgtctccgtg 240

gtggcatgca gatct 255

<210> 23859

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700908866H1

<400> 23859

cacacactag ctctcttggt ttctttcttc ttcaacataa catgcagtct ccaattgcct 60

catgaatcat cattagtcag ggttatcct ctaagaaaat aaacatacta tagcaatgag 120

tgcgctcagg ttcatacagt gtgtcactgt gggtgacggg gccgttgga agacttgcat 180

gctcatctcc tacaccagca aacttttcc tacggactac gtgccaactg tctttgacaa 240

tttcagtgca gatgt 255

<210> 23860

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700908869H1

<400> 23860

catggaagca atatatatgg agtgctatag agatagagag agagagagaa agaaaagagt 60

gtatgtatatt atgcgtttgt gtgagagata gagagataga gagagagaaa gagttgttga 120
 taaaaacata attatattttt cttcttgggc tttggagggt catgtagatg tagtagctat 180
 agatttttgg tttatttggg gatacccttt ttcttcttta tcttattttt gttttgaaat 240
 ctgaaacctt tcaaa 255

<210> 23861
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908870H1

<400> 23861

gtgaaagtga gaaaaaataa aaatcaaaga gcataatgtc agggatcatt cacaagattg 60
 gggagaccct tcatgtggga gggcacaaga aggaggagga gcataagggt gagcaccatg 120
 ctggagaata caaaggggag caccatgggtg aacccagtag tgagtacaaa ggagagcatc 180
 atggtgaaca caaagctgga gagtaccatg gtgagcacia gccagagcac aaagaggggt 240
 tcttagacaa a 251

<210> 23862
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908873H1

<400> 23862

agttagggtt tttaggatc agagagaacg gtgtatatag aaaccctatg ttttctccg 60
 atgcaccagg ggaattgaat atatatagta agaaaaaggc aaaaaaaaga ggtgaaaaaa 120
 atttgtctgg tagattgtta attctgttgt tttgcgtgta tctggactca ggtaatttct 180
 aaagcttatt tcggttttcc atgcgtatt cgattgagga ttttaatatc tgccagggtt 240
 taggactttt tt 252

<210> 23863
 <211> 255
 <212> DNA
 <213> Glycine max

0023250-03200

<223> Clone ID: 700908874H1

<400> 23863

ctggtgaatg cgtagaaaag gaaaataaag aaattagcgt gaaaaatgtt ggggtgtgttc 60
agcagctcca tagtgtcgcc gccggaggag ctctgtgccg ccggcagccg tacaccgtcg 120
ccgaagatga cggcggcgcc gctgcggaag tgggtcgagg agaagaaccc ctccgcagtg 180
tcggtggagg tcggagagca tgtccagcac gcttatacc accagaacga gtcgccgttt 240
cagcccagat ccttt 255

<210> 23864

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700908876H1

<400> 23864

cttatagctt catcccaaaa agctcttttc cttctaaatt tgattcctta gttcagcatt 60
ctattattat atatggcttc ttcaccttcc tcagaaaaca aaaacctaga gggagtagct 120
gggtggtgccg gagagaaacc cattccactt ggtgagaacg ttctgcagaa gcatgctgca 180
ttctttgact tgaataaaga tgggtgtcatc tacccatggg agacttttaa aggggttgcgt 240
gaaatcgga ctgggg 256

<210> 23865

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700908877H1

<400> 23865

gttctgaacg acttttcaag agaatcaaac catggcagtg aaagtatacg gtccccactg 60
tgcttccacc aagcgtgtgc tgtcttgtct ggttgagaag gaagtcgaat ttgaggttgt 120
ccctgatgat gtcactaagg gggagcagaa ggatcctgag tacctcaaac tacagccatt 180
tgaggttgtt cctgtcatca tagatggaga ttatacctta tatgaatctc gtgctataat 240
gaggtattat gcagaaa 257

<210> 23866
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908831H1

<400> 23866

agctcttcag ttttcacgtc ttacattggt ttgagtctag tgatggcact agcaattagc 60
 ggtttcaatt tcaaaggggc agaggcagca cgtgccttct ttgtgtttgg tgattctctc 120
 gttgacaatg gcaacaacaa ctacttagcc accacagcta gagcagacgc tccaccttat 180
 ggcattgatt atccaactcg cagaccact ggccgtttct ctaatggcct caatattcct 240
 gattttatca gtcaagaact tgggtc 266

<210> 23867
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908794H1

<400> 23867

cgaagagtat aaaaaagaaa ttcttcgtta catgtactat caccagaatg aagatggagg 60
 atggggacta cacattgagg gtcacagcga catgttttgt actgcactaa actatatatg 120
 tatgcgagtt cttggagaag gccctaattg aggtcatgac aatgcttggt ctagagcaag 180
 aaaatggatt catgatcatg gtggtgtaac acacatacca tcatggggaa aaacttggtc 240
 ttcgat 246

<210> 23868
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908796H1

<400> 23868

catgacttct ctttacatct gatacagtct ctttcttttc tggcttttct cttgtttgat 60
 aattgatatg ccacttctaa tctttggtag tattgtagtt aaaaaccatt ggcaaggaca 120

taacatatta acattagagt gcaagaagta gggcttcaat ctgaaggaga ataagatcat 180
gagaaagata ttcagcagtg ataacttcaa aggagaaaat cagaattcgt cagaggccaa 240
aaaggaaagt 250

<210> 23869
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700908801H1

<400> 23869

caaacactaa caacaatgct gataaaaaac aaaatgcggc ctaggtcaag tacatattgc 60
gtggggatga caaccggaca acgctcatga taaaaaatat tccaataag tatacttcaa 120
agatgcttct tgttgccata gatgagcaat gtcgaggaac ttatgatttt ctgtatttgc 180
caattgattt caagaacaaa tgtaatgttg gctatgcatt catcaatatg attgatcctg 240
gacaaattat tccattccac ca 262

<210> 23870
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700908803H1

<400> 23870

ctggaaccct ctcttcttct ctctctggtt ttcttcactc aaacatgctt ttccaacacc 60
attcggttcc cgtagctcac aattcagttc cagaaaccgt tccattcat aaggaaaagg 120
aaciaaacct accttctgtc aaacctactt actcccccat cctcccaat cgaggccttc 180
gaaccctca catcggttac catgttgatg ggactactcg caaattcttc gagggttggt 240
acttcaaagt ctccattc 258

<210> 23871
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700908804H1

002220-03200

<210> 23874
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908808H1

<400> 23874

gattgattca atgagagctt cttccccaac tcgtgccaaa tcagaaagcc aagaaaaaag 60
atcttggatt ctttatcacc cttcagctct gaacacgttt gagcaaatag tatgtagtgc 120
caaaggaaag caagtcgtag tttttcttga ctacgatgga actctctccc caattgttgc 180
agatccggat aaagctttca tgactagaaa gatgagagca acgctaaagg gcatagcaag 240
gcattttccc acagcaatag 260

<210> 23875
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700908809H1

<400> 23875

caaaacgtag caagagcagt tacaaacgtt cagtgttgta ttttcaattc agattcagaa 60
ggagacgatg gaagaacccg tgaaggaaca gcccctctct gctgggaact ctgcgcgacc 120
caagcttcag agatacgcg ctcgttcgtc ctgtaaatcc aaggaaaaca agcaagacac 180
cgcacccgat ctctccattt cttctgaatc taagaggggg ttaagtactc cacacgtaag 240
cagaagtgtg ggtggtcttg a 261

<210> 23876
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700908810H1

<400> 23876

gacacatccc atttcttctg cctgcgccat attacacaaa attttcttcg cggttaactca 60
aaagacaaac atttaaagaa accactcttg ctggctgggt tcgcataaac ggagaagatg 120
cacttgtagc atcttggggg atccgtgcc aataagccaag tgcagctaaa tggcttgatc 180

aactacccaa acaaaattgg gtacaatgct tcgataaggg aaaatgttaa ggacatatga 240
ctacaaattt gtctgag 257

<210> 23877
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700908812H1

<400> 23877

cactctctct gatgaacttc acattcacgc gccctcctca tgctgcaccc ttccctaaca 60
ctctctctcc tctctctcct ctttcacccc aacgccgggg accctaacga cgccaaaatc 120
ctccggcaac tccgcaacgg gctggacaac ccagaacaac tgccatggcc ggacgagggc 180
gacgacccat gtggttgaa atacattttc tgcgacacaa caaacgcgtg aaccagattc 240
aaccaagggt cttaaacct 259

<210> 23878
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700908813H1

<400> 23878

caggagcatt ttacatcaaa aattttatgc aatctgaatt tttcctcgtg agtgtcactc 60
ttgaagacat tccaaatcat ggaaccattc actttgtttg caactcatgg gtttacaatg 120
caaaaagtta caaaatggat cgcattttct ttgctaataa gacatatctt ccaaatgaaa 180
ctccaactcc actagtgaag tacagaaaag aagaattgga aaatctaaga ggagatggaa 240
aaggagagcg caaggactat gatagga 267

<210> 23879
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700908814H1

<400> 23879

cacttctaca gattcttttc tttcttttc tttctttct tgggttggtt gctggaatac 60
tatggaatct aatccaacaa ccatggacgc aaaacgcgaa ctcgaagtgc aagactggga 120
actgctccac ccaaacgacg acgattcaat cgtgttgctt gggccccac tgcactctat 180
cctccccgat cacttctccc ttaatcccaa ttccagttgc agttccaatt ccaattccaa 240
ttcctcctcc gaggtcgatc gca 263

<210> 23880
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700908815H1

<400> 23880

cgctctctct ctccttctcg ctctttcagc tttgactttt gttggaaact aaggcctaata 60
caaaatgggtg aagttcacag ctgaagagct acgtcgtatt atggactata agcataatat 120
ccgtaatatg tctgtcattg ctcattgtga tcacggaaaa tcaacctca ctgattctct 180
tgtggctgct gctggtatta ttgctcaaga agttgccggt gatgtccgta tgactgatac 240
ccgtgcagat gaagctgagc gtggta 266

<210> 23881
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700908817H1

<400> 23881

gttcattctc tttgcgcagt tccctacctc tcctttcaag atgcagatct tcgtcaagac 60
cctcaccgga aagaccatca cccttgaggt ggaaagctct gacaccatcg acaacgtcaa 120
ggccaagatc caggacaagg aaggaattcc cccggatcag caacgtctca tcttcgccgg 180
aaagcagctc gaggacggcc gtaccctcgc cgactacaac atccagaagg agtcaacct 240
tcaccttgct cttcgtctc 259

<210> 23882
<211> 261

002222-03200

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700908818H1
 <400> 23882
 cagcgactga gtcgcggtct cttcccaact cggaactcag tccattccgc atttatcttc 60
 aaaccaaatt tcttctgaag aaggagattt gaattcagaa ttgagtgaga agaagagaat 120
 agaaatgggc tccgaattga ttttcagagg ccacgagggt cagcccgtgg acgactcgta 180
 ctgcgcgaag ccccaacaagc cctgggtcac cgtgactcgc ccgattcact acatgctccg 240
 cgagcagcga ctcttcttcg t 261

<210> 23883
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908819H1
 <400> 23883
 ggaaaaggcg tcttcataaa cgccgcccga gactttctcat acccttttat tcattccatt 60
 cgtttctagg gttcttcttt tctttgccga gaaaatgaga gagtgcattt cgatccacat 120
 tggccaggcc gttatccagg ttggacacgc ctgctgggaa ctctattgcc ttgaacacgg 180
 cattcagccc gatggacaga tgccgagtga caagaccgtt ggccggaggag acgacgtctc 240
 aacac 245

<210> 23884
 <211> 192
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908820H1
 <400> 23884
 aagtatagtt cgatagtgtt tgaatagttg gcagtgattt tgtgtttaga ataccttccc 60
 ggctcttcta tatttttagaa gcctaagatt accaatccga attgatctgt attaccagaa 120
 ggtttaatgt tgtatcttgt atgcttaatt attttatccc aatttttttaa aagaattttg 180
 agtttttcga cc 192

[illegible]

<400>	23885
-------	-------

<210>	23886
<211>	258
<212>	DNA
<213>	Glycine max

<400>	23886
-------	-------

<210>	23887
<211>	257
<212>	DNA
<213>	Glycine max

<400>	23887
-------	-------

9908

tgtggtaaca ggattcaaca atgaagagca caggacagtg gaggtagttg gcctaggaga 180
 atgcgcagac tgcaggcaga acaatattaa gaataaccac gctttctcag ggttacgtgt 240
 gacggtagat tgcaagt 257

<210> 23888
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908827H1
 <400> 23888

ggattagagg gtcgccacgt ttagcaataa ccaaaccctc tctatccttt tttcttctcc 60
 ttctcttcgc tagggtttta gttcttctc ctctacttcg ttctttttcg tctctacaat 120
 gagcaacgac aaggacacat tcaacgtcgc cgatctcact tctgctctca acgaggacaa 180
 tagagcagac cttgtcaatg ctctaagagc aagatacaga gtttggctgg acaacactcg 240
 gatattctag agtctctg 258

<210> 23889
 <211> 162
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908828H1
 <400> 23889

aaaacaaaa cctagagggc agtagctggg tctgccggag agaaacccat tccacttggg 60
 gagaacgttc tgcagaagca tgctgcattc tttgacttga ataaagatgg tgtcatctac 120
 ccatgggaga cttataaagg gttgcgtgaa atcgggactg gg 162

<210> 23890
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908830H1
 <400> 23890

gcagcttgtc gcgtgcgtgc ctctccggcg aggccgtaac aatccacaaa caacaagctt 60


```
aatgatgaaa tttggagggg tgtgtgaatg acccttttcc cctgtgagga tttgggaaat    60
tggggtggag taaagtgtgt aactttctca gagaccatgc aggtgcattg agcttgtgtt   120
cctggttact ctccctctcac ttggttttgt tttgtggcaa gtttgaagga tgatgatctg   180
tatagagagc tgtggaagct atgttcacgg ccattggtgg atgttcctcg taatggggac   240
```

<223> Clone ID: 700908764H1

ctttcgcttt	tgcttcctag	gttttttttt	ttgtgtcgat	ggcgggaaaa	ggaggggaagg	60
ggcttgtggc	cgggaaaacc	acggcagcga	acaaggacaa	agacaaggat	aagaagaggc	120
cgtctctcg	ttcatcccg	gctgggatcc	agtttctctg	gggacgtatc	cacaggcagt	180
tgaagcaaag	ggtgcaagca	aatggacgtg	tggcggcgac	tgctgctgtg	tacttggcct	240
ccattctgga	atat					254

<223> Clone ID: 700908765H1

agaatcactc	ccttatccat	ttccacacca	catcatagtt	cacaaccaac	gctctctctt	60
cagcctccat	tctacgtct	ctcaactggc	agactctgac	gcgaagatcg	aaccataatg	120
gaagagtaaa	ttaccggata	ccgaataaacc	gtttctccgt	gaaagcctcc	gccaaagaga	180
ttgcctttga	ccagcattcc	cgctctgcta	tgcaggccgg	tattgacaag	ctcgccgacg	240
ctgttgggct	cactct					256

<210> 23896
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700908766H1

<400> 23896

ccctttcatt cttttatgat tcttcactca atttcattag aagctgcttc tgagataaaa 60
atatcagctt ttgtagttca cactctagtt gcttctgcaa aatggtagga agtggtgatg 120
ttctagctca tgattccagc attaatggaa caatgaaaca gtggcctgaa gatttcagtt 180
ccatgacgat tatgagagat catgtgacac tcacaattgg agagaatggc attggcaatg 240
gggttggttca g 251

<210> 23897
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700908767H1

<400> 23897

caccactacc gacattttat agagtttgta agaagaaatc aaccgaaggg ttccaatcaa 60
ttccatatgt ggctgcactc ttcagtgcaa tgctttggat cttttatgcc tatgtgaaga 120
ccggagaaat gctttcttacc accatcaatg cattcggttg cgtgattgag accatttacc 180
ttgccgtatt tatcacttac tgccccaaga aagctaggat gtcgacattg aggatgattg 240
ttttgttaaa 250

<210> 23898
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700908769H1

<400> 23898

cgataaggag ccgtcgtcgg aactcggaag tgggtttgctg tcgttggtgag gtttaacgag 60
acgatgaggg cgctgtttct gttcttcgtt ctcttctctt tcagctatgc caccgaacaa 120
atctttctctg ctcatatcgg tagcattttt cgtggtggcg gtggtggcgg ctctcgcgaa 180

cccaaataca agatcgaatt tcatcccgaa gattcccctt ttcaccctga tgatgatcag 240
gaatcta 247

<210> 23899
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700908771H1

<400> 23899

ttttgaaatt tgcacgagct caggttcaaa aacgggctcc taatctccaa catcctttgg 60
tttgcattga tgttattgaa gcaggagtag ttgctggctcc ccgtgcagga ctctggaagg 120
aagttgaagc atctgaagga cttataaagt cagatactag caaaagctta attcacgtat 180
ttttttctca gagaggaaaca tccaagggtac ctgggggttac agattgtggt ttgggttccaa 240
gacac 245

<210> 23900
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 700908772H1

<400> 23900

ctgggtgcagc ttgtcgttga tactttgcc a tttgggggag ttgggggagag tggaatggga 60
tttcaccttg aggaaacgaa gcttattcta caaatgaact atttcaaccg agaatattat 120
tatttgtggt attataatta cggt 144

<210> 23901
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700908773H1

<400> 23901

tcgtatttca cttcctcaca caatccacac caataacaaa accctcccca aaactaaaaa 60
cgtcgaaatc aaaattcaca ttactacaaa atttgtctgt tattctttct ctccaccacc 120

atggctacta ccatagcaga gcaagaagcc tcatcacgtg ccccgactg ctgactacg 180
ccaccactac atccgacgac gacacggaat aggaggagga ggagctggta cagagcaaa 240
a 241

<210> 23902
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700908774H1

<400> 23902

gatggccagc atcttctcga agacgagctt caacttctct gcgaatatgt aaaagagatc 60
cttattgagg agtccaatgt gcagcctgtc aatagtccag tgactgtttg tggatgatatt 120
catgggtcaat tccatgatct aatgaaactt ttccagactg ggggtcatgt gcctgaaaca 180
aattatattt ttatgggaga ctttgttgat cgagggttaca atagtcttga agttttca 238

<210> 23903
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700908777H1

<400> 23903

caccaacaac aacacaccat gttcacagtt ctgcttctct tctactcct tcttaccacc 60
tctacttccc acaacataat atcataccct catttccaac aactcaatgt caaacaatc 120
ctcacagaaa ccaaactcaa ccaacaaat acctacaaac acctccaaca ccaaaaactc 180
aacattgcc aacgaagcatc ttcaccggca aaatataaac ttaccaggtc cagacatagt 240
aagga 245

<210> 23904
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700908778H1

<400> 23904

ctttcctttt ccttcttggt gctggagatt acccttgatc tcgaaaccaa gggagaagca 60
ctatcaggta ttcaagttga ggcttaaaaa aaaaaggcgt gtgcatgtaa atgattaacc 120
agatagttcc atttgagagt taaagcttcc atttcattgc aaggcttgat ttgcttgctg 180
tgaattggat aactccaatc aaaacaccgc cacctctgtc ttcgcgttca ccaactgtgca 240
gtaa 244

<210> 23905
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700908779H1

<400> 23905

taagcactcg gttgcagaac agaacaaact tctttcactc tttcgcttct gaatcttcaa 60
caatgggtgct cgaggcgacg atgatctgta tcgacaattc tgaatggatg cgtaacggag 120
attactctcc ttctcgattt caagctcaag cagacgctgt caatctcata tgcggtgcta 180
aaacgcagtc taatccggaa aatacagtgg gagttctcac aatggctggg aaaggcgctc 240
gtgttt 246

<210> 23906
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700908780H1

<400> 23906

gccacctgaa tgctttgtaa aggatgtgac aaaatgtgcc aaagcctcca cacaacatac 60
gacatagtgc tatgggtgcac tttaactct agcagtggga actggaggaa gcaagcccaa 120
catctccacc aattgaagaa ggtagcttg tgtaacttct ctttaggtg aaaatcatca 180
aattgatcag ctctatggg ggcgttecta tcatcacttc tcaaactctg aacctctctg 240
ttcgtgccga t 251

<210> 23907
<211> 251

atgctgttca 250

<210> 23910
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908785H1

<400> 23910

ccagcagctt ggttccaacg caggaacctc aagctgcggt tattcaagcg gaaaatcgaa 60
 tctttgggag gaagaaggag gcatggacga gcttcttgca gtggtgggtt acaagggtgag 120
 gtcacgagac atggcggaag tggcgagctt cctggagcgt cttgaggaag ccatgggaaa 180
 tgtccaagat gacctcacgg acctttcaaa cgacgccgtt cattacaacc cttccgacat 240
 ctccaa 246

<210> 23911
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908786H1

<400> 23911

cccaaattga acatctctat agagagaaac taagggttgg attttttcgg ttcagttgcc 60
 accacagcct ctgactgtct agagggacat tggcctccca cggatgtgcc cagagcaaga 120
 ttgttgaccc tactgtaagc acaaatacaa tgccatccct aaaaatgaag agcaaagtaa 180
 gcgtgactgt ttaacagaaa caaaggatct tcatgtgtgt ccgaaatcaa aaataatttc 240
 caaaa 245

<210> 23912
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908787H1

<400> 23912

ggaagataga aaaaaacaaa aacaccttat tgacaccacc ttttctatca tccttcaagt 60

catcatcttt gatgatgccc atcctcctgg tcattctctt ggccttggtt tctccttcat 120
taggctttcc tttagcatct ttccaaccaa aagacaattt cctcattgat tgtggtgctg 180
aaaacacagc cactctccct gatggaagac atttcaaate agaccctcaa tccagatcct 240
t 241

<210> 23913
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700908788H1

<400> 23913

cttggcaaga gaggcatttc actgctgagg gcgatgtcga gttcaaggca gtcctgtttg 60
taccacctaa ggcacctcaa gatttatacg agagctatta taacgcaaac aaatccaacc 120
tgaagttgta tggtagacgt gtgttcattt cagatgaatt taatgaactg ttgcctaagt 180
acctaaactt tttgctgggt cttgttgatt ctgacacatt gccacttaat gtatcgcgag 240

<210> 23914
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700908789H1

<400> 23914

ctcctgaata tgatgcgtta gctaagaacc ctgagaagga gtacttgaag actattactg 60
gcaagaaaga gaccctcatt gacettacaa ttatagaaat tttatcaagg cacgcatctg 120
atgagttcta ccttgggcag agagatggcg gtgactactg gacttctgat gccgggccat 180
tagaggcctt taagagggtt ggaaagaate ttgacgagat tgagaagaag cttataggag 240
aaga 244

<210> 23915
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700908790H1

<210> 23918
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908722H1

 <400> 23918

 cacaaaccaa aaacccaaca aaagaacgtt catttttcat ttctgtttct aatcaagagc 60
 atggccggtg gttctatcaa gagacattct ttctccgaag aggaccatgg ttctgcttct 120
 tccatggagc ctgggtattc tgggcacaac caccacttcc atcatggttt cgtgtctagg 180
 actttggggt atggcacttt ctacaaccga ggtgtagga gccattcgat ttctctgccg 240
 agatctggga g 251

<210> 23919
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908723H1

 <400> 23919

 gaaagaagaa aacaatggct gttgccaaca atgtgctttg cattgctttc attatcactt 60
 taacgtgggc agttgaagct cgaattccgg ggatttactc tgggtgtgca tggcaaagtg 120
 ctcacgccac cttctacgga ggatccgacg cttccggcac catgggggga acgtgtgggt 180
 atgggaacct gtacagccag gggtaggtg tgaacacggc ggcattgagc acggcactct 240
 tcaacag 247

<210> 23920
 <211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908724H1

 <400> 23920

 tgtggtcaaa agtcccctgt tgaatattga atgttcacaa gcttttgtca atagtcattg 60
 tgccgtatcc tgccaagaga aatgtagccc agttgtatcc gtgactctgg tgagacaggt 120
 tgataaacgg aatgatgaga gaaagagaat tagcttgagc accgagagta gtgaatttct 180

gttttcagat gtgattcctg gaaaatacag cctggaagtc aaacatagtg cccctggatc 240

a 241

<210> 23921

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700908725H1

<400> 23921

agaaaaaatg ggttcttctt cttctatgtg gacggcctgt gtgatttcgg catcactggc 60

ctctgcagca ctctgtgcca acccacgcag gccagtggat gtacaatttg gccgaaacta 120

cgtgccca tgggcctttg atcacatcaa atatttcaat ggtggttctg acattcagct 180

tcattcttgac aagtacactg gtactggctt ccagtcctaaa gggctcttact tgtttggtca 240

cctcagca 248

<210> 23922

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700908726H1

<400> 23922

cccaaaaccc taggtagaga gctcttcctc actctcattc gcaatggccg cagcagcacg 60

tcctctcgtc accgtgcagg ccctcgacag tgacatggcc accgacgcct ccgccaccgt 120

ccctatccct gacgtcatga agtctccat ccgcccggac atcgtaact tcgtacactc 180

caacatctcc aagaacagcc gacaacccta tgcagtcagc cgccgcgctg gccaccagac 240

ttccgccg 248

<210> 23923

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700908727H1

<400> 23923

002220" E T T E E E E

tcttccatgc cttcataaca tgcataatct tcgccttctc cgggtgctacc aatgcatgtt 60
atgaaggcat ggaagggttct tgggcgaccc ttgaaccttc catgccttca taacatgcat 120
aatcttcgcg ctctccggtg cta[^]ccaatgc acttgtggca ttcaataagt caagattttc 180
taggctttgt ggggtattatg caatggcttc taacgcttct gctttggcaa ttctcttgtg 240
ggc 243

<210> 23924
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700908728H1

<400> 23924

gttactttgt gacaaatgga gggtccttag ttctgtttct ctttcttctc tctgttctct 60
caaccaagtt ctcaattcaa tcttcttcac acttttgatc tgctaattct caaggtattc 120
aaaattggga ggttttcgtt tgaattgtga tgtccaagcc actgctaggc ataggggagg 180
aggaaggcca aagcaatgtc actttgttgg tttcttctc agtcatcatg gaacgtgtgt 240
gcctga 246

<210> 23925
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908729H1

<400> 23925

cacagaaatt aagctagagc ttcatagttt cttcttcttt tctcaccttc cttctctccc 60
ttcagacaaa gggacaaaaa atcagtgtgt gagagagaga gagagaaatt ccaaaacccat 120
gtcccacagt catctaagtt tcgccttttg gattctaggt aacattgcct ccttcgtgtg 180
ctttctggca ccactaccaa cattttatag agtttgtaag aagatatcaa ccgaagggtc 240
caatcaatt 249

<210> 23926
<211> 250

002260"CTTTE560

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700908730H1
 <400> 23926

aatacactgg cctttcagat gcatatcttt ctgttctgaa ggcactttta catgcttctg 60
 ttgctcgaaa ccgtaaactt attgtggact gggctccagc tggggatctt gaagaagcta 120
 cttataatga ggatcctgag gcgcataaag ctgctttgag tcttttaag ggtgctaata 180
 gggttctagt tccaggaggt tttggtgata gaggagtgc aaggaaaatt cttgctgcta 240
 agtatgctcg 250

<210> 23927
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908731H1
 <400> 23927

cgcgaaaaag acaaaggggt ttgtatgtga atctgatcat ctagagttga gaatggaagg 60
 agggaaacga ggcacgattc tggtcaccaa cgacgacgga atcgatgctc ctggcttaag 120
 ggcattgggt cactccatcg tcaacgccaa ccttttcaac gttctagtgt gcgctcctga 180
 tagcgagaaa tcagctgtta gccacagcat cacttggctc catccagtag ctgttaagca 240
 agtacagatc g 251

<210> 23928
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908732H1
 <400> 23928

gcgtcgctc cttcaagatt ctgagcttcc gtcattgggt gatcaacata gactccttaa 60
 tgaaaatgcc ggtccattca aacgcaagcc taatgttact gtagccatag atgatagtgg 120
 agatttcaaa agcatcaatg aggcattgaa gcaagtgcct gagaaaaacc gaaagccatt 180
 tgtgatctac atcaaggagg gcgtttacca agagtatggt gaagttacaa aaaaaatgac 240

ccatgtggtg tttattgg

258

<210> 23929

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700908733H1

<400> 23929

agtcttagta acatcaagac ttggcctgag gacattatac cctagcagcc tgttggtcgc 60

ttggctcctga ataagaacat agataatttc ttgctgaga atgaacaact tgcattttgc 120

cctgccattg tggttcctgg tgtatactac tcagatgata agatgcttca aaccaggata 180

ttctcttatg ctgattcaca aaggcacaga ctggaccaaa actatctgca acttcctgct 240

aatgctccca agtgt 255

<210> 23930

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908734H1

<400> 23930

gaggaagatg attcagcttc tgttcacggt gatattttcg gaggcttcga tgatagcgtt 60

gctgctgttc aagaccctt tgaggaagct cgtgataatg ggcttgatc ggttgctcgc 120

atgtactgga ccacttgata ggtgaagaac gtctctggga acgttctcgt tgtgttggtg 180

tatacagtgt agagcatgta gaatattcag aagcttggga tccaagacgg tactgttggt 240

aaccctcatcg 250

<210> 23931

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908737H1

<400> 23931

attctctttg cgcagttccc tacctctcct ttcaagatgc agatcttcgt caagaccctc 60

accggaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa cgtcaaggcc 120
 aagatccagg acaaggaagg aattcccccg gatcagcaac gtctcatctt cgccggaaag 180
 cagctcgagg acggccgtac cctcgccgac tacaacatcc agaaggagtc aactcttcac 240
 cttgtccttc 250

<210> 23932
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908738H1
 <400> 23932

ccttggccta gccagctagc gcttcttctc tcgcattcgg tggagatcta gtgctgccaa 60
 acctcgctga aaattagggg ttcgtttcgg aggtagacga agatgttcgg aagggcaecg 120
 aagaaaagcg acagcatcag gtactacgaa atcctcggcg tttcgaagaa cgcttcgccg 180
 gatgatttaa agaaggctta caagaaagcc gccattgaga accaccctga taaaggcggt 240
 gatcctg 247

<210> 23933
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908740H1
 <400> 23933

aaaagagcac tgaccaaacc attttatattt atttttgaat caaggggtgag ggccttccat 60
 ggcttcgct tgtgcttct ctgcaattac agctgttgcc atctctacgc cgagttccgg 120
 gcagaagaat ggatcaggag gttgttttct tagtggaagg aaattgaggg tgaaaaagga 180
 gagagcagca attggaggac gatcgatggg cactacagtg tgcgcagttg ctgagcctga 240
 caga 244

<210> 23934
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908741H1

<400> 23934

gcaggatgcc gctgatgctg ctagaagtgc tatggttagt gtgataggac tggactcaga 60
gaagggtccaa caattgtgtg atgcagccaa tcaggaagtt cctgaagctg agaagggttca 120
gattgccaat tacctgtgcc caggaaacta tgctgtctct gggggattaa aaggagttga 180
agtgctagaa tccaaggcaa agtcctttcaa ggctcgaatg acggtgcgcc tagctgttgc 240
tggtgctt 248

<210> 23935

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700908742H1

<400> 23935

catggcttcc ttagactctc tcgatttctc cctcttccgt ctcagcactg acttctgctc 60
tcctttttgcc attttcgttc aggcgcaggg atgtataata aacctaatcc ttgcttttgg 120
gtgggcttgt gctgcatttg tcaggaaccg agaaataaat agaataaaga agagtatgcg 180
gaatggcaat aactttgcat tcctttgtca tgatattagt gaacttgagc actccaatca 240
ggctg 245

<210> 23936

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700908743H1

<400> 23936

ttcttcccc tccaccacc cagcatatct ctctattcct atttattagc acccctcaca 60
ttaccttggtg tcaccaacta ctttgactcc tttaccatac cattacaata attatcaaac 120
ctaaccagta aaaatgggtga ccgtggagga aatccgcaac gctcagcgtt cccatggacc 180
cgccaccatc ttggccttcg gcaccgccac gccgtccaac tgcgtctccc aagccgatta 240
ccctga 246

tccaaataat taatactatc tatgtaagcc aaaggtgctg aaaatgagta gtaaagcata 180
 gaaaacagta ggagtaaaga gaaaaaggat gaggtagaga gaaggtggga gtggcagaga 240
 gaagattaca a 251

<210> 23940
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908748H1

<400> 23940

attgcaacgg acttggatca gttcacaaaa gatctcaaaa acttgatgaa taccttaaaa 60
 ggcaaagctg catcaggtga ctctcgtctc aagtatgatg taggaagcat acctggctct 120
 gataataagc acatatatgg tcttggttcag tgcacaccgg acttgtcagg gtcagagtgt 180
 gatgattgct tggggcgggtc cattcaagtc atcccaacag attgttgtga aagcagaaca 240
 ggtggttaagg ttg 253

<210> 23941
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908721H1

<400> 23941

caatttgctt tcgtttgttg ttgttggtgt ttctgttcct tctcttggtc cttaaactct 60
 ttgtttcaaa catccttaga aaaggtaaaa atttaaaaaa aagaaaagaa aatgggtggct 120
 gtgggtttccc aagaaaatgt tgcggcattg gtttaacgta ccggtaggga gttgcaacgt 180
 tatagaaaag gtcgtcgcca agttgtggga tgcataccgt acagatttaa gattggggag 240
 aagacttcct t 251

<210> 23942
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908750H1

002360-0541

<400> 23942
cctctctctc tttctcttct tctctcatcc agatcttgca aaaagcaaaa gacccaatgg 60
catcgagcgc gcccaactcca ggcgaagagt tcgtgtacat ggcgacctgt cgaaacaggc 120
cagtcgctac ggggagatgg tggagttctt ggagacggtc tccgcctccg ccgaaaccga 180
ggacctgacc gtggagaagc gaaacttctt ctccgtcgcc taaaagaacg taatcgctgc 240
tctctgcgcc tcc 253

<210> 23943
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700908756H1

<400> 23943
caactttctc cctcttcttc ttttgcttct gtttttgagg cgaagaagga tggaattgta 60
atgctgggaa tataattgga gaattggggg aggagtaagg gaggaatca tacacaatgc 120
ccgagttccc cttgagctcg aggttggaag gggtgcaaaa tagcttgaga gagaatgggt 180
ctctgggtgta tctcaatgtg tatgatctta cacctgccaa caattatctt tacgcctttg 240
ggg 243

<210> 23944
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700908676H1

<400> 23944
agaagttcta aggaagaggg aatatgcaga atacaagggtg ctagttgtct atttgcaata 60
acaacatcag cgatccaacc ttagtattct tcaaccaga gagatttgta ataataaatt 120
acaacaactt aaacgatggc aggaggagct tatgtagatt cgggaaatgc aaagcaattt 180
gatgggaagg tcacggcatt cgtattgggtt acatgctttg tggcagccat gggaggctta 240
ctcttcgggtt 250

<210> 23945
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908677H1

 <400> 23945

 aagagatctc tttgaggttt ctcatcaaac accttttagcc aacaacaatg gcacctttga 60
 acaaagttct tttgtcctc accttattgt tccctgcggt ggatgccaca tacaaaaaca 120
 agaaagacaa gaagaacagt gtttttcata agattcccaa atttccaaaa tttccagttc 180
 ctatcattgg cggtgaccag aaagttgttg tggatggtgg taatcatgcc attgccaagc 240
 ccgattttga aacaa 255

<210> 23946
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908679H1

 <400> 23946

 cttgtgttgt gatagagtct tacagagaag agtgtgtgtg tgtgacaatt gggataagct 60
 ctaatcaatc aatttcaatg gcatcatcca attcgactca gcaagaaggg aacaaaccgg 120
 caaagagaaa acccgtgttc accaaagtgg atcagctcaa acctggaacc aacggt caa 180
 cgttggtggc taaggtcttg tctccgaca ccgtcgtaca caaaccgaga cctcttccg 240
 cacacaacct caa 253

<210> 23947
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908680H1

 <400> 23947

 aaggttttca gccatcctga tgttgttgct gaagtgccat ggtacggtat tgaacaagaa 60
 tacaccttgt tgcagaaaga tatccaatgg cctcttgggt ggctgttggt tggtttccct 120
 ggacctcagg gtccatacta ctgtggtgtt ggccctgaca aggccttttg cctgtgacatt 180

gttgacgcac actacaaagc ctgtatttat gctggcatca acatcagtgg aattaatgga 240
gaagtgatgc ccgg 254

<210> 23948
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908682H1

<400> 23948

acaaattgtg gtcaggttca tatatatggc gaatacactg tatataaggc taggacgacc 60
aactctggac ccaccagcag actaaacgga taagggtctt tactacttcc tttcaaact 120
tgaccagaac atagcacatc cagttcgaac ggtttacttt tataataagt ctgcatgtag 180
aggggaacgag gaagcagcac aagtaataaa ggatgctttg tcgaagggtc ttgttcacta 240
ttaccctat 249

<210> 23949
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700908684H1

<400> 23949

caaggggag gagcaaaagc ttctggatga aattgatcgg ctttcagcag aactccacga 60
ctgtgatgag aacatacaca gacgtaacat cagacattac tacattggaa tctctcatct 120
ctcagtcag tgaacgcact aatcggttaca cagacgagac agactagtta catggggaga 180
gacagtcctt atggggcaaa gagattgaac ttactgctga cattgataag ctgagag 237

<210> 23950
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 700908685H1

<400> 23950

acaatatcag caatggccat gatcaacgcc aaatgcgtca acccaaagtt cccaatccc 60

002220-03200

[illegible]

<212> DNA

<213> Glycine max
 <223> Clone ID: 700908694H1
 <400> 23956

```
tgtgccctcc ctctttctag ctatttcct ctcttaacac aattaacaac cctatatcat 60
atcatatcaa ctccaaatga tgaaaaatat tgggttggtt cttcttggtg tggtaggtac 120
ttttgtggtg gcagccacag ctggtagctt ttaccaagac tttgaaataa catgggggtg 180
tgagcggttg ccaaaatcta tgaaaatgga aatcttctca cctctcct agacagagcc 240
tctggctctg gctttc 256
```

<210> 23957
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908701H1
 <400> 23957

```
ctcggtgatt cggatctaga gtcttttttc actcttcagt tctcggtggt gttcttcgct 60
ttcctgaaac tagggttttc aatttcgatt cattcgtaa taattaaaga tgtttgaggag 120
ggcaccgaag aagagcgata atacgagga ctacgaaatc ctggcggtct cgtagaacgc 180
ttcgcaggat gatctgaaga aggcttaca gacagccgcc atcatgtatc accctgacta 240
aggcggtgat cccgagaag 259
```

<210> 23958
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908702H1
 <400> 23958

```
gcagacttaa caacagcaca aagcgggtta ctgtctgttc aagctaccat ctctctctct 60
ctttcttagt gctccttgcc cagaagttaa aatggcccaa gaaactttcc tattcacatc 120
tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180
cgatgcatgc ttggagcagg accctgacag caagggtgcc tgtgaaacct gcaccaagac 240
```

003360"CTT560

caacatgggtg atggttt

257

<210> 23959

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700908703H1

<400> 23959

cgcactgtgt aatgctatct acgatggctc tctctgcgca tatttgccgt ttccccgcca 60

cgcgcgctga cactgctttg ccggagactc tcaccagaat ccggtgccag aagcctctct 120

ctgtccgatg ctctggcgat tccccttccg gctctgtggg ttcggagttc gatccgaagg 180

tgtttcgtaa gaaccttact cggagtaaga attataaccg caaaggattt gggtagaagg 240

aagagaccct ccaact 256

<210> 23960

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700908704H1

<400> 23960

gaagtatatc cctagggaaa aataatttct tcacatttac aatgaagcaa tccactctat 60

tcctgttcct attcctattc ccctcgttc atgctcttcc ttacgaagct gcttatatta 120

gagatggcct caaatcctat tcccagcttg atctccctca ctccgttttt gggtctgaaa 180

gtgtagcctt cgattgccat gggaaaggac catatgttgg agtgtctgat ggtagaattc 240

tca 243

<210> 23961

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700908705H1

<400> 23961

ctccttcggt ctgaaaatcg tagatttttg ttttaggggt tctcttatat aatcttttcg 60

taacacaaaa aaaaatcaca taaatcttcc tttatatatta ttactatttc gttttttctt 120
 tggattaatt aactaggctt gagctatccg aataataata ataatagttt cggagaatgg 180
 aaaagaaaaa ggtagcagtt cccctcgtgt gccacggaca ctctcgcccc gtggttgatc 240
 tcttctacag tccc 254

<210> 23962
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908706H1

<400> 23962
 gtctccattg cccctcgtc tctctattgg ttcacgcgcg gcaattggag attcacgcgc 60
 caccatggcc tcaccaccga cactccctat ctctcccaa tccagcgcct ccggcggctc 120
 cgctcgcag tcccagcctc cgatcgcaac gccggcggtc cgcgccttca tctcccgcac 180
 ctctcgtcc ctccgtcacg cctttgcgca cgccgcccggt gggcggactc atcgaccgga 240
 gctccatgt 249

<210> 23963
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908711H1

<400> 23963
 cttctttatt ccttttgtaa tttcattcat tcttaatctt tgtgaaaact aatgttcatc 60
 gagaatttta aggttgagtg tcctaattgtg aagtacaccg agactgagat tcagtccgtg 120
 tacaactacg aaaccaccga acttggtcac gagaacagga atggcaccta tcagtggatt 180
 gtcaaaccga aatctgtcaa atacgaattt aaaaccaaca tccatgttcc taaattaggg 240
 gtaat 245

<210> 23964
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908713H1

<400> 23964

gtagtggtg gttgaaagtt aagaagtagc aaagatgttt ccattcgggc acaaggggtca 60
aaagataaag gggactatgg tggttatgca gaagaatgtg ttggatatca acagcatcac 120
cagtgttgac gggatcgtcg gcaccggcctt agacttctta ggcagtgcac tcgatacagt 180
tactttttta gcctcctcca tctccatcca acttattagt gctaccaagg ctgatgggtgg 240
gaaaggaaa 249

<210> 23965

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700908716H1

<400> 23965

ctccgctgga tttagagatt ggtcttcctt gatgatgagt ttttgcaagt aagaagatga 60
agaatctacc aaagggaatg agtatttttc taggcaaagg aatgtgatac agacgaaggg 120
cttccgcata aaaagtatca tgagcagtc aatggatgct ttggctgttg cagatagagg 180
aataagattt gttttgcttc cggaccctat atttgacaag tttgagcagc aaaagagagc 240
atagatgctg gatatat 257

<210> 23966

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700908717H1

<400> 23966

ctctccccc cctttgaatt aatccacctt ctctcccaat ccaccaccga cacctacttc 60
cctcccaata atgccgcaa ccaaccttct ctccggccag ccaccgccgt gctcaagctg 120
caaaaggctt accgtaccg ccttgccaggt tggccgactc cgcggttggt gccgaggagg 180
tggcaagcca tagactatgt aagggtaaac cacagcacca tctcgttctt taatttgccg 240
gaaactgctg cgtcgtgctg ga 262

ccacatggat tgatcaggaa gtatggcctt atgtgctgca ggcagtgctt ccgtagcaat 180
 gccaaaggaaa ttggcttcac caagtatcgc taaaagagct gttgtcacct acggaccaat 240
 attatgttct ggcac 255

<210> 23970
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700908637H1

<400> 23970

gtgaagacct ggacccatga ccctttccat gttttgagag ttgctaact gaactgaaga 60
 tagcgattga ggaaaaccag tagctactgg ctgtctgtcc agagtgatcg atagctccga 120
 aatcaagtca acagcagaag gctnacaaca ggggacacca tcaaattcac tgcgtagaaa 180
 gacgctagcc atatacttca ttgagtctga ggatagaacg atggcctttg gtcgtgggta 240
 tccagcagga tctaca 256

<210> 23971
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908638H1

<400> 23971

tgcaagtga accacccctt ctcaaaaaa ggctagaggg cgcctcctg gctctggaag 60
 gaagcaacag ctactgtgct taggtgaatg gatgaatagt tcagcagggt tggccttttc 120
 acctcatgtt atcactattg gagttgggga ggacattgtg gcaaaattat tgtcattatc 180
 acagcagaga ccaagggctc tgtgtatcat gtcgggcact gggacagtat cttcagtcac 240
 tctgcggcag cctgcttcta ccaatgcc 268

<210> 23972
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908639H1

```
<210>      23973
<211>      254
<212>      DNA
<213>      Glycine max
<223>      Clone ID: 700908642H1
<400>      23973
```

<210>	23974
<211>	254
<212>	DNA
<213>	Glycine max
<223>	Clone ID: 700908643H1
<400>	23974

9940

<210> 23975
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908647H1

 <400> 23975

 cttctctgca aatgcttcat tccaagatgg ttaggactct gtaggctgat aaagacaaca 60
 ctcataccgt tggaaagaag gatgctgctg gccatgttgc ttaatttagt tcttgcttcc 120
 tttgtcttct tgagttttat cagagacggg agtgcaggga tcactatctc tttcattcgg 180
 tcagagtggc cggcagttga catccccctt gatcatgaac cattggcaat cccaaagggt 240

<210> 23976
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908649H1

 <400> 23976

 agcaaagttt ctccctaaaa aacgaaagcc ttctcaattc ttgcaagttg caaccatca 60
 tccatggcct caagcaaacc cttcatcact gctttccttc ttcttgtgac cttctcaagc 120
 atgagtttga gcctagcatc atctcgtcac ctcttgcaaa caaccacaac gcccatttg 180
 cctggcactc ccactttgcc taaccacaac acactgccac ctttgccttc aaaccctaca 240
 ctgcctcagg gcaatgttcc cc 262

<210> 23977
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908650H1

 <400> 23977

 gactttttcc tcagtgaac aaacctcaga aaaagatttt acaaattaaa tattgttta 60
 aagaaagatg tcaagtggag caacacactg gtgttatgca tgcagacagc caattgtgct 120
 tgatgggaga gatcctgttt gcccttactg tgatggagga tttgtgcaag aacttgacga 180
 gttgcgagga attgcaccca accataacca taccttttcg tcacagtcag gagactttca 240

tcaaatgcct gacatttt

258

<210> 23978
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700908651H1

<400> 23978

ctcgagccgc gctgtgggta tcattcttctt cttctctctt cttagatctc ttctttctct 60
acgccgcacg ccgaaaccat ggccggaaaa ggagagggtc ctgctatcgg aatcgatctc 120
ggaaccacct actcttgctg cggtgtgtgg caacatgacc gcgttgaaat catcgccaac 180
gaccaaggga acagaaccac gccgtcttac gtcggattca ctgacaccga gcgtctcatc 240
ggtgatgcgg ccaag 255

<210> 23979
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700908652H1

<400> 23979

ctccgtcaa caactataag attatcttct tcttcttctt ctcttcaatt cttctccaat 60
cccaaccgca cctctcttcg tccctttctt cacacttctt tcaaaccact tccttcgtct 120
ttctctttcc gaacagatca cactatggcc acctcaaagc ccaaatacgt ccatgatttc 180
accgttaaag atgccaaggg aaatgatatt aaccttggtg actacaaagg aaaggctcctt 240
atcattgtca atgttgcc 258

<210> 23980
<211> 252
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700908653H1

<400> 23980

atTTTgtccg gatgggaccg aacaaggac gatgaaatca gtgtggtgga aagaagttgt 60
 gTTTgtgttt gtgtttggtg ttgggacaat tgatatcggt ggctctcaaa ttgtgaaccg 120
 cacatataacc caccctgcct cccacgccac atcgtaccog ctctngctcc ctctctctct 180
 ctctccgctn ctctctctct ctctaagctc tttcaagtag agactgtgtg tctatgtgct 240
 ttgtcgcgga gc 252

<210> 23981
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908654H1

<400> 23981

caacatttca cgcttctct gtttgcctgc acacgtcgtt tttttctttt tgttgcttcg 60
 gagccaactc aacaacaacg ccgtgcctaa tccttaagaa taacgaatta caacaaccaa 120
 ccatgttgca ttgtctcaac acttctgtt cggacatcac agtcttgga agacaacggg 180
 aagcaaccat caagtgccag aaccaccaac caccctactt aacggacttt aacgccgtct 240
 tcccttcttc ttctt 255

<210> 23982
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908655H1

<400> 23982

gccaatntag atgtgttcgt attctccact ccaatagcaa catcaattcc aattctgatt 60
 tggttcggaa agaagtgaag tcataagtaa tctctctct cttgtaaaca tggcagccga 120
 aacggaacca aagaagatca taattgatac cgaccctggc atcgatgatg ctatggcaat 180
 attccttgct ctacaatcac ccgaggttga agttattgga ctcacaacca tctttggaaa 240
 tgtgtacacc actctg 256

<210> 23983
 <211> 255
 <212> DNA

<213> Glycine max
 <223> Clone ID: 700908656H1
 <400> 23983
 aacccttggtt gaaccttccct tcttctaacc caagtcgcgc gcacgcagca cctcttgctt 60
 cttcttgaac cctagcctct tcgttggtgt tccattgaat ctcttcaca ttgaagcaac 120
 cgtagcctct tcgtcgagtt ccttccgacg agttcgacct tcccggctgg aacttccgaa 180
 tcaaggactg ccagcagggc gttcgctcca acgtcggcaa caaagacatt ggtctcactt 240
 cgaagaaacc aggga 255

<210> 23984
 <211> 193
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908657H1
 <400> 23984
 cattacaact ccagaaact tatatgggtc acataataac gatttgagtg cttatgatca 60
 ataatgtcta tgtaaaagt attctagatg tagtggaatt ggtaagattt ccctgtaact 120
 tcgttgcttt gcaaattgtg agaaacccat ggatgtcacc ccagggctta gcatgcatag 180
 ggacttgat ctt 193

<210> 23985
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908661H1
 <400> 23985
 gaaagagaag cattagcaaa agcaagaaga actagtctaa gcagaaatgg cctcttcagt 60
 gatggcatct gtggccctca aacctgcccc ttctactgtt gagaagtcct cagttagagg 120
 ccttcctcc ctctcaagga actcctcttc attcagagtt gtggccagtg gtggcaagaa 180
 gatcaagact gacaagcctt atggaattaa tgggtggcatg gctttgaggg aaggagttga 240
 tgcactctggc agga 254

<210> 23986
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908662H1

<400> 23986

agcttatctc agcggcagac tctgaaagct gtttgagtag cctcaacccg gagaatagca 60
 ccaatgggag aggaggaaaa caaaccagag gaacccatgg caaaggagaa aaacccagag 120
 gaagaagcaa cccaagagaa aaaaccggag cttgagtcca aagaggaagt tgctgctgct 180
 gctgctgctc cgccaccgcc accgccaccg ccaccgcccg agattgtgct caaagtgttc 240
 atgcattgcg agggttgcgc 260

<210> 23987
 <211> 220
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908663H1

<400> 23987

caaaaacaaa gtaagagttc actcaatctc actgtgttgt gagttgtgtg tgagcaccaa 60
 ccaacaatgg tctctctgac tccgttatgt ttctttatta cctcgttgat cgctgggtgca 120
 gacgcagcgg cggagcccca aacggtgcgt ttgacaccg ggggggttgag cagagacacc 180
 tttcccaaag gattcttatt cggaacggcc acgtctgcgt 220

<210> 23988
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908667H1

<400> 23988

gaagattttc aggtgtctga gggatctggg gatgaagcag aagcttctgc accacottct 60
 tttccagaac ttgaattgaa aattaaggac ttcattgagt cccttggggg tgcagtcttc 120
 cctaagctga attggagtgc cccgaaagat tcagcttgga taagcacctc tggtagccctt 180

cgatgcatca gtttcagtga gattgcactt ttatttcgag catctgactc attggtccat 240
gatttgtgcc atgctt 256

<210> 23989
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700908668H1

<400> 23989

tcgagattga agaagatgat gcaggctgga cccggcggca tggcccaaca agcgaaccaa 60
caatacgcac agcaacagta accaccctac atgatgatgc cgccgcagcc tcagccccct 120
cagatgtggg ccacatcggc ccagcctccg tcccagtcgg tggctcctcc gcaacccacc 180
agcgccgatt atgtccgtac cctctggatc ggtgatttgc agtactggat ggacgacaga 240
tatctctaca cc 252

<210> 23990
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700908670H1

<400> 23990

tttcagtcta acccgattt acttagttag ttgggacttg cttcttagcg tgtagtggat 60
catccaggct agctttcctg tagtagaacg cggggagctt gaccatcagg gtcttgaata 120
gggtgtgcct tttagatctt ttagtaggag tactcttgaa tgtactatgc agtaggttct 180
ctgtgccctt agatcccaat ccagatcgg gttccaatcg cagaagtgtt ttcatgcgaa 240
tggctaatac tcat 254

<210> 23991
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908671H1

<400> 23991

cacgacacga atccatgagg agttcagagt gaccacgctc accagcttcc gaatccaact 60
ccattccgca aaatgggtact ttcttcaacg atgggttgaga aatcgacgct agggcgcttc 120
cacgatcaaa tgggtcatcct ntgccgatgg gatccctcga tcttcacctc gcacaagatt 180
cgcgtgacca tgctatggat cgccgccttc gcattcggtt tt 222

<210> 23992
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700908672H1

<400> 23992

gcagagctca aaaccctaga gaggaggaag agagagcgtg caagtccgg ccaccaccga 60
ccatgacatt caagcgcagg aatggaggtc gcaacaaaca cggccgcggc cacgtcaaatt 120
tcatccggac ctccaactgt ggcaaatgct gtcccaagga caaggccatc aagagggttc 180
tggtgaggaa cattgttgaa caggctgcag tcagagatgt gcaggaagct tgtgtctatg 240
aacaatatac tcttc 255

<210> 23993
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700908673H1

<400> 23993

cggagaacga gaaaaaacg gaaaagaagg aaaacgtgga cccttccgtt tcgagcggaa 60
gtggaaggag ttccaagagg tgggttttct tgagggtatt cttaagaagc aaaagcgagg 120
gaaggagtaa taacaagttc tgggtccacta tttccttttc ccccgccgca aaggacaaga 180
agccccaaaa tcagggaaat gggccgcaga agcccaagaa ggtcgccgga aagcccacta 240
acggcatcgg gaa 253

<210> 23994
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908634H1

<400> 23994

ccaactcttt tctttgttat attattctct ttcactttct gccaacctt ggagtcaaca 60
tgactatcct cattgagcaa tctgatcact ttggggctga agtagaggca aagactgaac 120
caataaatga gagagaactg gtgttgatg gtggatttct gataacacag accaactcat 180
ttgggcacat gtttagggct tataatgatg ctgaaagtga gaggcataaa ggagtggaga 240
acttctacag aaaaaatcac 260

<210> 23995

<211> 160

<212> DNA

<213> Glycine max

<223> Clone ID: 700908589H1

<400> 23995

gtctcgtgtc aaatattaat tttaggttct tcgttacgcg ttgtgttgcg ttgtgcgtga 60
gaaagtgcgc gtggtgaaaa agcatggctt ctacgtcctt gagacgaacc ttcggaagtc 120
gtttccttgc aaaccctagg gtcttctcct ccgctgcttc 160

<210> 23996

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700908594H1

<400> 23996

cacgatgcat ggtttgctga tgaagaacga gtccgaaaag cagttggttt gttggagaag 60
ccaattgtct ggcacccata tactagagag cttacttgcg gtatctgttt tgaaaattat 120
cctcgtgcta ggattgaaat ggcttctgt gggcatccct attgtatctc atgttgggaa 180
ggctatatca gcacatccat taatgatggt cctggatggt tgatgt 226

<210> 23997

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700908595H1

<400> 23997

tgaccctata tttggccatg caagtcttga taattctaata gagcttttggc cctctaaga 60

tgtgagtaaa aatgcagcac ctttacc 87

<210> 23998

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700908602H1

<400> 23998

ctctgtgaca tttgtgctgc tagttcatat atttgccggt gacaccgaca aggaaagcag 60

gaaaaaaaca aaaaggagca gatgggtagc tcagggttct catggaaatt ggcggatcat 120

ccaaagcttc cagagggtaa gactgtggct gttgtggtat tcgatggttg gggagaggcc 180

acacccactg agtacaactg cat 203

<210> 23999

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700908603H1

<400> 23999

cactcgagcc gattcggctc gacaggtccc aaccaggaaa aatgggttctg tcggatgccg 60

ctaattttgc tcggaattac gcacttatgg tcagacttcg tggccctgac ccaaaagggc 120

tgaagatgag aaatcacgct tttcatcaat accgttcttg tgaaacaacc ctttcagctt 180

cgggggtatt tgtacctgat actctttgcy attctcaagt agctacgcgt cttaatggcg 240

ataactgtga ggatagggtg ttggc 265

<210> 24000

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700908604H1

<400> 24000
 ttgaattgaa gaggggttggg aaaagtagtt atggtgtgcc aagcagcgag tcaaacgaga 60
 tttcgggcat tgaaacatga aaatggaatc gccgggagct ccaccattat agttaaagtt 120
 atagcatggt ttcaacctct ccgagaatgc caggctgact atttccgtca tttgctcaaa 180
 cctgtgacgt aattgttttg ccttgattcg tctgggtggg ttaaaccggt tcttttattt 240
 gttttccttg ttcgtgaaac aaa 263

<210> 24001
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908605H1

<400> 24001
 attgattgaa acctacaggt aggattctca tatgttatat tactggagag tacagttact 60
 ggctatcttc ttcactgtag aggatggaga tcaacttacc tttaccccaa aagacctgtg 120
 ttcttgggat gtgccccac tgactccatg gaaggcatgc ttcagttggt gaaatggagt 180
 tctgaacttt tcttgctagg aatatccaaa tacagccctt tcacttatgg gatttcaaga 240
 attcctattc cacaca 256

<210> 24002
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908606H1

<400> 24002
 caaaatcaaa ttttgatttt gccaaagggtg ctgctgtttc tggcagtggc caacagcatg 60
 gtagtgtgta ttggaagaat ggcagttctc agatattgtc atcattggat cctaagaagc 120
 cattgttggg tcagcttgaa aatgcttttt ccattaagga atcctcaatt tggatggaca 180
 gtagcaccac tgctgagtgt agggctatag agaaggcttt tgggggagcc ttggagttgg 240
 ctcgtgtcac gggatcacgt gc 262

<210> 24003
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908607H1

<400> 24003

gattttcatt ttatcctcag ttcttcacc ctggtcacct gcacttgatt cttttttcca 60
atcgataatt gaagaacaca acattttcaat tcctctctcg atttgttttg caagttcgat 120
aatcgaaagt gcctggtgat tccgatgttg gtttacatag gagttgtttg tgaaaaatgag 180
aaggcagggg cactatgggg atccatctgc caacacttgt gttggtggta gccagatgca 240
tcatatggct ggtcaaaggg 260

<210> 24004
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700908608H1

<400> 24004

ctggaagccg cggcaatata aaggctgctg ttgctttgct cgctcgcgca ctcacaacca 60
caacaaggca gcagtgacaa gagaaagaaa gagaagaagc gcttatcgaa ctcggacgga 120
agcactgagt taactcagag cgagtgaag tggtgctgct tgatgtatgg tggatcgcc 180
cgtggacgcc tcaccgagga ggcgaagtcg tggcggaaga aacatcccca tggttttgtt 240
gcgaaccgga gacgctgccc g 261

<210> 24005
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700908611H1

<400> 24005

gaaaccaaag gtatctgttt gaacagtggg gaatgctttt aatgatgtga atatacagaa 60
gccctcaac atatcattga actctccttc cagtatactc atgattggaa gtaactctgt 120
taccgcagac cttcactacc ctctgctgct aatagttcaa cgccaaaatg gtccagacca 180

tcgctagagt tcatacaatg taatctggat gcctcactct ttcgcaatta tcttcttcat 240
ggacttgggg catgcaa 257

<210> 24006
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908612H1

<400> 24006

aaggaagaga agtttaaggt agagggtacac aagaataacc aagggggggtt ccatctaaat 60
cagatggaac cagatcattc ctaattctga tctgaagttt ggtcacccta gcaatattgt 120
tcttatctat gtctagtgtt tacccttttc tctgtgcctt ggcaaataag tagttttaca 180
atgtgtgtat ccctttatta actgggaagc taccgggtgat gttacattag taactttgta 240
acgtaaatat tacttttagta 260

<210> 24007
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700908613H1

<400> 24007

cttttagagag gaaacctagt ggagaaaaca accttgctaa cggacaccat tttgtcaagc 60
cacccatggt ccagaggggg gttctcagaa ccaattgcat agactgctta gatcgacaaa 120
atggtgcaca atatgcatat ggggttggtg ctcttggcca ccagcttcat gctctgggaa 180
ttattgacca ccccaaaatt gaccttgatg atcctctaag tgatgggttg atgggatttt 240
atgagcggat ggggtgacac 259

<210> 24008
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700908615H1

<400> 24008

cttttctctt tcttccatt gaagcatttt ttcacaagcc cgtgattttt tcgctatctc 60
catcatcaaa tgatccgatg ctgctagatc gaatttgaca aaaccactt cgtgtctgat 120
cgaagcaaca actgggttct gtctgaattt tgagataaga tggaatcgga tcttggaag 180
ctcttcattg ggggaatatc ttgggacact gatgaggaac gtctaaagga atattttggg 240
aaatatgggg aggtgataga gact 264

<210> 24009
<211> 266
<212> DNA
<213> Glycine max
<223> Clone ID: 700908616H1
<400> 24009

gacaactctc acctctcca attccttccc aacaccacca ccagcaccag cagcccaac 60
accccttctt tccatgctgc acctcacact cacaccatgc accacccctt ctctactaat 120
tctccaata atactaatta ctacccttcc caccctctcc aaattaccga aacaccctcc 180
caccatgata gagcccttgc tgccatgaag aaccacaagg aggctgagaa gagaaggagg 240
gagagaatca actccacact cgacca 266

<210> 24010
<211> 216
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: 700908617H1
<400> 24010

cagtatgtaa tttctgtatg tatgcatgac atatacaagt ggtaaattcca agtaaattct 60
acagtntca cggacactgg acgcatcacg atgtctccgt tacggacgag aggacccttc 120
tcttcggtga caaggcagtc actgtttttg gacacagaaa ccctgaagag atcccatggg 180
ggccaactgg agctgacatc attgttgagt ccaccg 216

<210> 24011
<211> 263
<212> DNA

<213> Glycine max
 <223> Clone ID: 700908618H1
 <400> 24011

tggcgatggt gttagtcaca ctgtgccaat ctatgagggc tatgcactcc ctcatgccat 60
 tcttcgtttg gatcttgctg gccgtgatct gactgactct ttgatgaaga tcctcactga 120
 gagagggtac atgttcacca cctctgccga gcgggaaatt gttcgtgaca tgaaggagaa 180
 gcttgcttat gttgccttgg attatgagca agaacttgag actgcaaaga gcagttcttc 240
 agttgagaaa aactacgagc ttc 263

<210> 24012
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908619H1
 <400> 24012

cgcaatgtga tggagctgat gcgtgtttgt gaagctttca gaaatggatc ggatccgttg 60
 gagcgccaag tgagggagga cctccagaag ataatggcat gtcgaactga ggggctcgat 120
 tatcttgcca cgccaagcca tacagagcaa tgaaaatggt ggggttggtga tgagctatca 180
 gatgtacaaa tttgcggaac tgtgtacatt ttacatctta ccatcttttt ctgaggagtg 240
 actcggcaag ataagcagac aa 262

<210> 24013
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908620H1
 <400> 24013

gtccaaaaca ggcagatggt taacatcatc tgtgagcttc ccgaaactgt tgctagaaca 60
 ctagttccac gcatgcgggt tgttaaggga acaggcaaag ctatcaatta cttgaccctt 120
 cccagaatct tacttgcttt ggtcactgct tggttacggc gaggtcgctg gtttgatgat 180
 caggaagag cattatatgc agctgaagca gaccgacttc gtaattgggc tgaagatcga 240

gcccgatttt ctttcacc

258

<210> 24014
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908622H1

<400> 24014

agcaaattaa ttagcttcac catggactca ttgttacttc taaaagaaat tgccacttcc 60
atattgatct tcttgatcac ttgtctctcc attcaaacat tcttccaag ctatcgcccg 120
aactccac cggggccaaa aggggtggcca gttgtgggtg cactccctct catgggaagc 180
atgcctcatg tcaccttagc aaagatggca aaaaaatatg gacctataat gtacctcaa 240
atgggcacta acaacatggg 260

<210> 24015
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908623H1

<400> 24015

atagcaatct catctcattc atttcaatgg caactcaagg tcaagtcatt acctgcaaag 60
ctgcggtggc ctgggaaccc aacaagcccc taactgtcca agacgttcag gtggctccgc 120
ctcaggccgg cgaggtccgt gtacaaatcc tcttcaccgc tctctgccac accgatgctt 180
acatttgagg cggaaggat cccgaaggtc tcttccctg tattcttggc catgaagctg 240
cagggattgt ggagagtgtt 260

<210> 24016
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700908625H1

<400> 24016

cggcaccgtt ttctggcttc cttggcgccg cagctgccct cgtcttctcc tgtctgggag 60

<223> Clone ID: 700908588H1

<400> 24019

ttcttctcct tgctttgacc ttttgccggt tgttggttg cattggtgca aatggcggtc 60
 ttcagaagcg tttctgcact ttctcgactt cgctctcgcg tgggccagca atctaatttt 120
 gcgaattcag ttagatggct ccaaactcgg agctccatta aactgatct ttattctgag 180
 ttgaaggaac tagttccaga gtatcaggaa cgtgttaaga agctgaagaa agatc 235

<210> 24020

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700908632H1

<400> 24020

tagatttgta attttttttt aatctgaggc actaaactag gctagagtgt ttctcttttg 60
 ttttgtgggtt atatatatca gcatctttca cttgttgata ctctgttctc tcttgcttgg 120
 gcgagtgaag aggtgaaagc ttgagagcat ataaagcttg aggcctgatt tctgcgtttc 180
 tcggagaatt tggcttcaga aaagacggcc aaccagggga tttaggcctc cgggggttatt 240
 cggccgtgaa tggggggccc 259

<210> 24021

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 700908533H1

<400> 24021

aaatctttaa tgaatttaat gctcgaaagc cagatgaatt caacatattc aaaggagtca 60
 caagaaacta cccctttatg ggtatcattg gattaacggg tgtgcttcag attgtcatca 120
 ttgaatttct tggcaagttt acatcaacag tgaggcttaa ttggaagcat tggctcatct 180
 ctgtcgttat tg 192

<210> 24022

<211> 258

<212> DNA

<213> Glycine max
 <223> Clone ID: 700908534H1
 <400> 24022
 catgaaagct tggacatact ctgagtatgg aaaatccaag gaagttctca agtttaaatca 60
 gagtgtggct ttgcctgagg tgaaggaaga ccaggtcctc atcaaggctg ctgctgcttc 120
 ccttaacccc attgatcata agagaatgga aggctatttc aagaacagcg actccccctt 180
 acctactgct cggggttatg atgttgctgg agtggtggtt aaagtgggaa gtgaagtgaa 240
 gaaatttaag gttgggga 258

<210> 24023
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908536H1
 <400> 24023
 gaagatgaag atgttcgatg gaaacaagca tgagttaacc tgcattacat ttggttttga 60
 tataggggtt ggttcctctg tggctgatag ctaattgaaa ttggctcatg aaatctatga 120
 tcagaaacag atctatataa attacttgta caaactgcaa agtaccctta tgttaccaga 180
 tcctgaatta agaatcagaa agatgtgggg tatcttctgg gattttaaac acaaactatg 240
 tgtttcttt 249

<210> 24024
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908537H1
 <400> 24024
 ttcttcccg ttcattctct ccatttcttc ttttcttccg ctctggttca gtaaagcgaa 60
 gagggtaaac gttattcata atggttgcaa cagccgctac ggcgtcggtt ctccccgtgc 120
 ctttgccaga cgctggaaaa gggaaaccca agaaactggg tgggtggtggc ggtggcggtg 180
 gcggttctgt gaacctcgga ggactcaaac agaaacaagg tttgtgcggt ggcttgcagg 240

tcaaggca

248

<210> 24025
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700908541H1

<400> 24025

atccctcctc agtcattcgt gtctgcagcg tataatgttc cttccaagtc taccattctc 60
ccttctgccc tgcattccatt ttcacaatcc caatccacta aatatattaa atctaaacac 120
catcacactc ctagagtaca catgtaatag tggaaaccaa aacaaaggag aaaaaccaga 180
tattcatata gaacaaagga ggaacattct acttggccta ggagagggtt gtggtgc 237

<210> 24026
<211> 237
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700908542H1

<400> 24026

ctttggaaga agaagaaaat ggaggaggaa caaaacggcg gtcgtttcga cctcataatc 60
ctgggcgctt caggcttcac aggcaaatac gtcctccgag aacctcaaa ttcctcaaca 120
ccccatcctc cccctcata tccatagcca tagcgggccc aagcccacaa aaactaaccc 180
atgcccttca gtgggctcc aggcccaacc ctccccctc nctccccatc ctcaccg 237

<210> 24027
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700908544H1

<400> 24027

tggaaatgga agaagtggtt ggcgctatct ttctcgactc caattcagag actgtcggac 60
ttggaggtac aaaagcaaag aaagtgaag tgctgaagg agattccgtt cctgttgga 120
cggaagtgag agcgaacgtg ggagcttccc agaacaaaat tcttgctgac ataagcaact 180

ttccccaaca accaaagcac cacatctctg ttgaccactt ctcaaggaaa ag 232

<210> 24028
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700908545H1

<400> 24028

ctctttcttcc tttctctctc tctctgggtgt ccttctttcc cacttcccct cctccgcatg 60
cccctttctc ttcctccctt ccccttctct ggataaggaa agacggagca aagcgtaaga 120
tcaggcagga tgagtaaaaa acaaagagag caaaatcact ttgtcctggg gcatgggtata 180
ggccatgggtg cctgggtgttg gtacaagctt aagccactgt tggaatccgc cggcc 235

<210> 24029
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700908546H1

<400> 24029

acgatatctg cgggtggctag aattagaaat gctcttgctg atgctacaca tacatttttc 60
aacaaggaag ggtttctata tcgtgcacac cccattgtt accacaagtg attgcgaggg 120
tgccgggtgag atgtttcagg tgaccacttt gctgagtgag gcggagagat tggagaagga 180
gttggtgcag aatccacctc cgtcggaagc ggatgtggag gcggctaggg t 231

<210> 24030
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700908547H1

<400> 24030

gtccgaacca ttgcatgga tgccaccgaa ggggtcggtt gaggggtggc cgctcctcaac 60
actggctccc ctattatcgt tccagttggg agggctaccc ttggccgtat cataaatgtc 120
attggagagc ctattgatga caaggagaa atcaataccg agcattattt gccattcat 180

agagaagctc ctgcttttgt tgagcaagaa accgcacagc agattcttgt ta 232

<210> 24031
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700908548H1

<400> 24031

ggcagctggc gttttacact ggagatactg ttgggggtct tttaaatgct acatttgga 60
atgcaacaga actgatcatc tcaatatatg cactgaaaag tggaatgaca cgcgttgccc 120
agctctcttt gctgggttca attttgcca atatgttact ggtgcttggg tgtgcattct 180
tatgtggtgg gattgttaat cagcagaagg agcaagtgtt taactaggca gcta 234

<210> 24032
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700908551H1

<400> 24032

atttcacagt actcaaagg gaaagagcag tttcttgatt atgaggaagg caggtttctc 60
ttaaaatgct tctggtactg tgaaacactg ctaaagcagc attcgccctaa agtattttcc 120
cagttgcata acagttcctt gtgtcaatct atacttttta atttgccctat ggtagacata 180
tttgagtatt ttatgtgaat tgcccaatct aaaatattgg atgtctcaaa acaaagccg 240
tgatga 246

<210> 24033
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700908552H1

<400> 24033

acacaacaca aaacgcaagt caattggcgt cggcagcatt cagagatttg gttcgtgcc 60
tgaaacctaa tggctccgaa ggccaagccg gcgccatcgc agcctgctcc tctcctgcc 120

ctcgaagatc tcttcaccac gctcaaccgc cacatccagg cttccgcata cgccaatgcc 180
cgcaagctca cagatcagat tctcgccatt gctcccggcg acgaggacgc gtccgatgca 240

<210> 24034
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700908553H1

<400> 24034

ggttatgtgc tttaccagca ttttgggtag ggttattgta cgatgaagtt tctctacaaa 60
gtgttttggga tatgacagct gattggactc cagaagaaag acaaatgcta aggaataagg 120
ttcctgtaac tggtttgaag acaccattcc gagacggttt gctgaagcat gttgctgaag 180
atgtttctaaa gttggcaaag gatggcttgg aaagaagagg cttcaaggaa tcaggatttt 240
tgaat 245

<210> 24035
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700908554H1

<400> 24035

atcacaacca ttgctgcagg cttgtaaaaa gctttagat ttgtctgttt cagcaggctc 60
tttgatgat acaagtgta tgctaataca attggagcac tatatttaaa gttaccttag 120
tacgactaag gtttcaagat tattgcagtt gagatcgcat tgaggtaag attgcgttgc 180
agtttgtgat ttttgaacaa ccttggtggt gcctgatgat ggatagagag tagctgattc 240
t 241

<210> 24036
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700908555H1

<400> 24036

<400> 24045

gcaaatacctt ggtcaatgca gacggtatta tagagaaaac atttttgtgg ggtaggtacg 60
 ctttggaat gtctgctggt gtttacaagg actgggtttt cactgatcaa gcactgccca 120
 atgatcttgt caagagagga gttgccgtta aggatccatc tgcttcccat ggagttcggc 180
 ttatgattga ggctttccct ataaggcgca agtgtataac taggcagct 229

<210> 24046

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700908532H1

<400> 24046

acgggtatacc gttcaagatc gttcctcggc cactgcatac ggtattatag agaaaacatt 60
 tttctgcggc atgtacgcat tggatatgtc tgctgttggt tacaaggact gggttttcac 120
 tgatcaagca ctgcccaatg atcttgtcaa gagaggaggt gccgttaagg atccatctgc 180
 tccccatgga gttcggcttt tgattgagga ctatccttat gcttctgatg ggctagagat 240
 atgggatgc 249

<210> 24047

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700908585H1

<400> 24047

cttttaccta gattttctct ttgtattctg caccagtttg tccactgggt ttcctgaca 60
 caaagcaagt tgccaagggt tgtgtggatg agatacgtaa caaacagca tgctgtaatg 120
 ctatggaaag ctatgtgtct cacttgcaaa aacagagctt catcacgaac ttgcaagcgt 180
 tggattgtgc tgagactttg gcaatgaaaa tgaaaagatc gaatattact gcagatggt 239

<210> 24048

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700908488H1

<400> 24048

ctcataacac aaagcacaaa gcaaagctca tccttgagtt aaaaaatggc agcagcttct 60
tccatggctc tctcatcccc atccttggct ggcaaggccg tgaagctggg cccatcagcc 120
ccagaagtgg gaaggggtgag catgaggaag accgtcacca agcaggtctc ctcaggaagc 180
ccatggtacg gccagaccg agtcaagtac ttgggcccat tctctggcga gccccgtcc 240
tacctaaccg gt 252

<210> 24049

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700908491H1

<400> 24049

aaaaactcaa tatcaaattc tttgtccac aaaagatggg gttcactccc acaagtactg 60
caacatgctt tcttcataat agcacctctg gttgtgctat ggtgttgga gctactaaag 120
tgggtgtggc tgaggccaaa gagattggag agagcattaa gggcacaggg ccttcagggg 180
aatccctaca gcctcttgat tggggacact aaggaaatgt acacagtgct catgcaagct 240
gccaga 246

<210> 24050

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700908492H1

<400> 24050

aatcaaacca accaccaaca agatgatttc tgagtccctc ttgttagtat tcctcattgt 60
cttcatttct gcttcccttc tcaaactctt gtttgtgaga gaaaacaaac caaaggccca 120
cttgaagaac ccaccaagcc cacctgcaat acccataata ggtcatctcc acctccttaa 180
accctcatc catcactcat tccgagccct ctctctccga tatgggcccc tectaagcct 240
tcgaa 245

caaaggcgtc atctactagt aatcacgtgt tcctgcaata gaagctgcag agccagggga 180
 ttgattgaaa cagaagacaa attcgtcaaa gcaacctcaa atgatcatca tgaaacagaa 240
 catgcacatg ctcaactctca cgt 263

<210> 24054
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908506H1

<400> 24054

aaaatcaagc gttacatgac aatgatggat tcaatgacaa acgaagagtt ggatagttca 60
 aaccccaagc tcatgaatga gtcacgaatg atgcggatag ctcgagggtgc aggtcgtcaa 120
 attaggggaag tgatggagat gttggaagag tacaaacgtc ttgcaaagat atggagcaaa 180
 atgaaagggc ttaaaatacc aaaaaaaggt gatatgagtg ccctatcccg aaatatgaat 240
 gcccaacaca 250

<210> 24055
 <211> 229
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908508H1

<400> 24055

tccacattgc cttgacaaat ggagagatgc aagagagtgt atttatgtgg agccagatca 60
 aagtaccgag agcaaaggtg acatttttggg acaacaataa gttgtgatga ttaatgtagc 120
 cgaggcttct ttgaactttc ctttgtgact gtttagtata atggttgctt attggaata 180
 attttgttga aaaaaaaaaac aaaacaaaaa agaaaaaaat ataaagaaa 229

<210> 24056
 <211> 78
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908509H1

<400> 24056

aaaaaatcgt ttctcgttcc ccattctcta ctttctaccc caaaacccca accgcggcat 60
catcttcgac accataaa 78

<210> 24057
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700908510H1

<400> 24057

atatatcttc cccctaaagc ttcaaccttt gggaagccct actttttttc ttctatcttc 60
attgatcctc acttctcttt cttcattttc cttttcgggtg ggaattagga taaccctcct 120
caatttttca actctaaatt tgatcatcac cttcaccac tttactctta ctaggaggaa 180
cccttctctc tgtgtgtgtg ttctgagttg attcgtgct tcagctttcc acaaagtaaa 240
g 241

<210> 24058
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700908511H1

<400> 24058

caaaaaaaaa cccgtaagct tcgttttcac gatctttcgc tccgtctggc atgtcatcag 60
tgtgaatttt cggtaaccct gggattacaa cgtgcgtgtt gaggtccttg agggacttgg 120
tgcaggtttc gtgaaagatg gtttgataaa gaagagcggc gaggggtggag gcgccggaag 180
tgtagtagaa gtaagtgggg atttgaagcg tgttggtgac acgtgcggcg ctgtagtt 238

<210> 24059
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700908513H1

<400> 24059

tagctgtgaa gggttctcca ctgatggcct tgctgcttta gctgcaaatt gcaggtttct 60

tagggagctg gatctgcaag aaaatgaggt tgaagatcac aaaggccagt ggctaagttg 120
 ctttcctgac aactgcacat cacttgtttc tcttaatttt gcttgcctta aaggagaggt 180
 tagtttggga gcactagaga gacttggtggc cagatctcct tacctgaaga gttt 234

<210> 24060
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908514H1

<400> 24060

gtttgccact taggggaaca atcacagcat ctggtgatct tgttcctttg tcctacattg 60
 ctggtttctg aactggtaga ccaaactcca aggetgttgg accctctggt gagattctga 120
 atgccaaaga agcctttgaa ttggccaaca tcggtgctga gttccttgag ttgcaaccta 180
 aggaaggcct tgccttctgt aatggcactg ctggttggttc tggcttggcc tca 233

<210> 24061
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908515H1

<400> 24061

cctctctctc atacacaaaag aggccatggg ttacttggac gatgatcatg atcatgacac 60
 attccacgac cacaacgact tcaacagaag gatactcatc atggctatag tttccttacc 120
 agtgggtattg gttcttctct ttacacttca cctctacgca aggtttttcc tcgcccgcag 180
 agccgccata taccaactca gcctcaacgt ggcacagcac acgccgagcc agacaa 236

<210> 24062
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908516H1

<400> 24062

ggcatcttgt gttgtgtccc tcttttaagc tatttccttc tcttaacaca attggttgtg 60

002220-ET1850

ccaattgcc a tagtcaccaa ccaattaaca aaggtatata tatcatcata tcatcaccaa 120
atgaaaaata ttgggttggt ttttcttggt gtgggtggcta cttttgtggt ggcagccaca 180
gctggttagct ttgtaccaag actttgaaat aacgtggggg ggtgagcgtg ccaaatac 237

<210> 24063
<211> 63
<212> DNA
<213> Glycine max

<223> Clone ID: 700908517H1

<400> 24063

gcgcacctta gcatggattc ctcttcgtcc tcttctctct cctctctcgc ttcgtccaca 60
caa 63

<210> 24064
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700908518H1

<400> 24064

agcaaattggc caagctaatt gccttttcag gaattttgaa taacagggaa atgtttaatc 60
cagatttcta caactggaac agaatacagg ttaggtattg tgatgggttca tcattttactg 120
gtgatgtgga agcagtgaat ccagtgacta agttgcactt cagaggaggt aggattttca 180
atgctgtcat ggaggattta ctagcagtag gtgtggataa tgaacgaaat gcgattatcg 240
ctggatgttc agctgg 256

<210> 24065
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700908520H1

<400> 24065

cgttattctc tctccgagct tcaactctctt ttcgcctctg ctaaagggag aaaaatgggg 60
tactcctcct ttctgggtcg tgttctcttt gcctccctct tcacccctct cgcattggcag 120

atgtttaatg aatttgatgc caatggtgga cccatctcga aagagttgat tcccaaactc 180
 agtgtggtga agaataattt atcctctaaa ttgggggtag cgctaccaga tattgatgcc 240
 cggcaattc 249

<210> 24066
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908521H1
 <400> 24066

ccctctttct cattgtccgg tgacatggag tccaagtttg gtggagcccc cgccagcatc 60
 atggcggcga atttcgacga cttcaagtgg atcgctcca tgttcgatcc cggaaacgac 120
 gacgtcaagc ccattctcga cgcagctttc caaaaccagg atgcagtaac tgcattttca 180
 acttgtggtg gagtaacaga tgataccctt gttcgttccc aaaacctcac tcccattcaa 240
 tccacc 246

<210> 24067
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908522H1
 <400> 24067

tgccaacctg cacactcttc actcgatcat acagacaatg gcaaagaatc gtgggggatcc 60
 ttgccattga catctacttc cctcccgtt gcgttcagca ggaagcattg gagtctcatg 120
 atggtgccag taaagggatg tataccattg gtcttggaca agattgcatg tcattctgta 180
 ccgaagtaga agatgtcatc tcaatgagtt tgacagtggg tacttctctt cttgagaaat 240
 atg 243

<210> 24068
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908523H1

<400> 24068

ggaaggagtc gaggccggaa ttcaatccct tgcaggcggc ggcacgccga acgagttcgt 60
cataatcgac gacggctggc agtcgggtggg cggtgacgac aagaactcaa attcgttgca 120
gaggctaact ggaataaaaag agaacgcgaa gttccagaag aaggaggagc cagaattagg 180
gattaagaac atcgtggaga tagcgaagaa gaagcattcg gtgaaaaacg tgtacgtatg 240
gca 243

<210> 24069

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700908524H1

<400> 24069

gctcgctcgt gttctgtttc tctctgtttc tccgttctct gttttttttt cagatctcga 60
aaaatgcaga gcgcggcttt cactttctct cctctctctc ctctccgcaa ccttccct 120
aactcttgga ggagaccctc tctttctctc cgtctccacg ccaaacacag catcaacaac 180
aacaacagta acagcaccga agcgttaact ccaatggcgt ctcttccact tcttccactc 240

<210> 24070

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700908527H1

<400> 24070

ccgtatcact ccaagttata ggtcacattg tcacaatgtg gtcaccaatt gttctactgt 60
tgtgccttat tcttctgtg ttcttgctat tcttcttcca ataccgtaga accttcaaga 120
actcaaacct tccaccaggt cctagaggcc ttcccataat agggaaatctc catcagctag 180
atagctcgaa tcttcatctt cagctatgga aactctcaaa gaagtatggc cctatat 237

<210> 24071

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700908528H1

<400> 24071

aaaggatgct agtgggtgct gtcagagttc aacattttct gagttcactc actttttctc 60
gcttccaacc ttccttttct ctgcgagcat tttccgctat ggccgaagaa tttgtgaagg 120
gcaactgttca tcaaaacggc gtcgctgtca tcaccctcga tcgccccaaa gctctcaacg 180
ccatgaacct agatatggat gtaaagtata aaagttatct tgatgaatgg gaa 233

<210> 24072

<211> 71

<212> DNA

<213> Glycine max

<223> Clone ID: 700908529H1

<400> 24072

ggtagagtaa atggcttaca atctttgctc ttcccttcc tctctcttcg atgacgttcg 60
ctccaggtct t 71

<210> 24073

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700908530H1

<400> 24073

ctcaactatt atgaatgcta aggatccatc gaagaatggt tttcaccttg ttactgataa 60
actaaatddd ggagccatga gcatgtgggt ttttttaaac ccgcttgaa aagctacaat 120
ccatgttgaa aacgttgatg attataagtg gttgaactca tcctactgcc ctgtcttgcg 180
gcagcttgaa tctgctacat tgaaagagtt ttatttcaag gcaggccatc caaac 235

<210> 24074

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908486H1

<400> 24074

gaaacatcgt gtgcacagta cccagaaga tcgaacaagg atctccacga agacaaacct 60
 ctgtttctcaa ctgtgtttct ttacctctca cctactttca gaccatacca ggctgagaag 120
 atgcagcaga caccgcctat gattcctatg atgccttcgt tcccacctac gaacataacc 180
 accgagcaga ttcaaaaata cttgatgag aacaagaagc tgattctggc aatattggac 240
 aatcaaaatc t 251

<210> 24075
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908531H1

<400> 24075

gaacttcag gccatggcca tacttgatg cactatgatt gtgaacatct gcatacagtt 60
 tgtcactggg gttatttatt tgttctgggt ggaacatgct gtcacatgc tcatcatgct 120
 aattttgttg atgacctgg cctcctcagc cataagtctt ccaaagatga aacactactt 180
 tgagctgaag tataagatga atgaagaggc acttaaagag gggtccaaaa cta 233

<210> 24076
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908447H1

<400> 24076

gaaagatcta aaatcagaca cagttcttat tctccgttcg aacatattac catcatttct 60
 ccaaaaactg gaaaaggatc tggcagaaat tcacaaaata gcttatgttg ttgatgcata 120
 tgtctcttat gggagatccg atgatttgaa tgaaaaagtc actattgcat catcaggaag 180
 actagatgcc attgcaagag cacggcctat tctttccgca atgtgtgaaa atctcttcac 240
 ttttgaggg 249

<210> 24077
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908449H1

<400> 24077

attgggtgat ggtaacaaaa atataactgt ccaaaatgtg aactgtggac ctggatcatgg 60
cattagtgtt ggaagccttg ggaggtacga taatgaagag gccgttgaag gtcttctagt 120
taagaattgc actttgaaca atagcgataa cggctctgagg attaagactt ggcctagcac 180
gccattaaca attacagtta ctgatatgca ttttgaagat attaccatgg aaaatgtttc 240
gaaccctgtg atcataga 258

<210> 24078

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700908451H1

<400> 24078

cccagttcat ccacatccac cccatgtcgc agaccctcat ccaaagcctc cagtgcaccc 60
ccatccacct tatgtcccaa aaccaccagt tgtgccagtt acaccaccat atgttccaaa 120
accaccaatt gtgaaccctc cctatgtccc aaaaccgctt gttgtgccag ttacaccacc 180
ttatatccct aaaccaccag ttgtgacacc accatattgtc cctaaaccac cagtgggtgcc 240
agttacacca ccatatgt 258

<210> 24079

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700908452H1

<400> 24079

tcgatgaaac tcgaatcttc agcgccatag caagagagag aatagacatc tatatcagct 60
tcttgacgat gaatgcagaa tccaatttct aaactccga tgaattgtct tattcaaatg 120
ataacttcac tttgaaggct caagcatttc ctagcaacat cagtgtcttt tcccttgaat 180
atgtagcaag tttgtcttta tggagacatt tgatttgact ttgaagaaga caaaatagag 240
gagaaaacaa gtgaatg 257

<210> 24080
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908453H1

<400> 24080

atctccagtt aattttttta tgtaatactc atcaaccttg acttttggat gatagtaa 60
 aatcatgtat tgatattcgt ttcttttgtc atatgattgt ttttaagatgc ccggtggacc 120
 tgtgtttgtt ctgtcctatc agatgccgtg ctaatacggga tattacatgt gttgtgtgtt 180
 ggcattgttc tagcatgccca ttttaaggaaa tatgactcat tgagtaacac 230

<210> 24081
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908454H1

<400> 24081

attggttggg agttgtctca aaaatctctt cttgcccttt ggccataatc aaaagccaag 60
 aactgtttca tacagctgct caattatcaa gccaaccttg ctcggttcca ctgcagaatt 120
 tcagtttatt cttatctagg tagactcctt ataagtgcgc agaagttcaa gtgtagagaa 180
 tgagtcagcc taagattaaa cgccgagttg gtaaatacga ggtggggagg accattgggtg 240
 aaggtacatt tgcaaag 257

<210> 24082
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908455H1

<400> 24082

agagcacaga atgggatgta aaattattga atcaatctgt ttatgaccag acttctacaa 60
 tagatatggc tgaacattct ggagaaaaag aagccgtcaa cagcaatgaa tcctgtggaa 120
 ctcccagcag tgtaattagc ttaacagatg aatcaaactc cagattgtca gaattacctc 180

aaaagaatat taaggaacac tgtagtccta cgaggagtgg aatacttagt gctacaattg 240

aggaaggaga aga 253

<210> 24083

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700908456H1

<400> 24083

agcttttccc tcgttgaaat gaaaatgggt tcttctttgt ggactttgtg tctaattttg 60

gcttcactag cctcttctgc attctgtgcc ttccacgga ggccagtga tgttcattc 120

ggcagaaact acgttcccac ttgggctttt gatcacatca aatacttcaa tggaggttct 180

gagattcaac ttcattctga caagtacact ggtactggct tccagtcaa agggtcatac 240

ttgtttgggc acttc 255

<210> 24084

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700908457H1

<400> 24084

caacaacacc ccccttcca acatgggagg tatctgcctt gaggaatca aaaacgaaaa 60

cgtcgatctg gaaaaaattc cagtagagga agtggttgag tcgctgaaat gttcaacagc 120

aggtctaaca tcagacgaag gagccaacag gcttcaagtt tttggaccaa acaaattgga 180

agagaaaaag gagagcaaac ttttgaagtt tttgggtttc atgtggaacc cttatcatg 240

ggtcatggaa gctg 254

<210> 24085

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908458H1

<400> 24085

ctgcactcga tcaaacacaa aatggaaaag aatgtgggga ttctcgccat tgacatctac 60
 ttccctcccg cttgcgttca gcaggaagca ttggagactc atgatggtgc cagtaaaggg 120
 aagtatacca ttggacttgg ccaagactgc atgtcattct gtaccgaagt agaagatgtc 180
 atctcaatga gtttgacagt ggttacttct cttcttgaga agtatgggat tgatcctaaa 240
 caaatcggtc g 251

<210> 24086
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908459H1

<400> 24086

ctcaatttag attcaatgca ttgtgtttaa attaaaagggt gggaagcgga acaaaagggg 60
 tttaggtcaa gggtgtgaca gggaagagaa tcaatggaag acggtgagat tgaagaggga 120
 tcaattggcg gtgtagagga agaggagcaa tctccagaac cgcacaagtc ggaggagtct 180
 ccctacgaaa tggtgcgcaa cagcaaggct tccgtggaga gcacgtcgc cgatatgtc 240
 tccatta 247

<210> 24087
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908460H1

<400> 24087

cttccaata aagtatattc tcttctctgc cgtccaagct agtcgttctc tctgtctcgt 60
 ttatatTTTT tggtttatta tattcttctg ttgtcacgaa gcacactatg gggtggaaag 120
 gaggtctcaa aaacgtggtc acaatgttta ctttcatggg ggccttggtt gttgttcaac 180
 atgtgaagtg tggggactca gctcgcattg tacttcagca cgggtggcttc gttcaacgaa 240
 g 241

<210> 24088
 <211> 247

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700908461H1
 <400> 24088
 gtacatcttt tggtttgggg cgaaagttca gccttttcag atttgcacat atttcaacag 60
 agaacaacgt gattttgtgga ttgctgtaaa gtgcattatt tggccattag ctaatggaca 120
 agggggtgcc tcctagcctc ttcgtcaatg atggttcttt catggagagg ttcaagcaac 180
 ttcaacaaga gcaggataaa gggaagaatg tcaaattgga ggattctaaa ccaattaagg 240
 ttattttc 247

<210> 24089
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908462H1
 <400> 24089
 attctccgtc gccacgacaa caatggctcc aaagaaaggt gcgaaaggtg gagttgtagc 60
 agcaaagaag aaggttcagg agaaggtaac gaaccctttg ttcgagaagc gtccgaagca 120
 gttcgggacg ggaggcgcg cgtccgccga gggggacctg acgcgcttcg tgaagtggcc 180
 gaagaacgtc caaatccaac gcaagaagcg catcctcaag cagagggtca aggtccctcc 240
 ggctctc 247

<210> 24090
 <211> 208
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908463H1
 <400> 24090
 ggagactacc ctctttcggc caccataatg tctgagtatt ctaataagat gactcgaggt 60
 gcctttatag ctgcagtgtt tgccatgcag ggttttggaa ttttggcagg aggtgtgttt 120
 gctattatca tagcatctgt gttcaagtcc agttttgatt ctacaccata tacgaatcaa 180
 acgttgggtt cgactgttcc acacaaca 208

002220" EFFE550

<210> 24091
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700908464H1

<400> 24091

ccggtttatg cgttcctttt ttatgagtgt gtgcgtgaga gagagagaga gagagagaga 60
gagagagaga gcgctatatt caattagcac ccttatcttt acaaataagg gaattcacga 120
gtgttagaat gaaagatgat tatgaatatg aggaagctat gctcatgctc tgtacttcag 180
tttagcttat gataaaaactt gttcattcgt cagtttgtgt tagtgg 226

<210> 24092
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700908465H1

<400> 24092

gtaaggaaca ctccctcaa ccaaacagat aatgaagtag cccaaggagac ccaacctgca 60
attggatctg gaggccagta taaatattat ttcaatattg gaagtgttga gtcttttgag 120
gagaagctag aggaagcgca agaagctctg ggcatttact ctcatgattt tgtgcctgtc 180
acatattctt ttgaactggg gtaccgggaa tggattacgt tggcttcaat actgttgctt 240
ttgggatttc tcgtgt 256

<210> 24093
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700908468H1

<400> 24093

gaggacttg ctcacagata tatttttttt tttgtctcca tcattttctc gagagctttc 60
agtttctgtg gttcatcttt cttcttctta atctttcccc cctctctgt aacatccgc 120
ttctctgtat ccttttctgc taatcatctg tctttcaagc taagattttc tggtttgtct 180

tttaattcac caaaaagcaa acttagaagg atttttcgaa agccaggtgt tttcagaaac 240
gagatccagg ttt 253

<210> 24094
<211> 121
<212> DNA
<213> Glycine max

<223> Clone ID: 700908469H1

<400> 24094

atgccaatat ccatgtgcaa cgaaattcaa gcccaagccc aagcccaagc ccaagcccaa 60
cctggggttta agctcgtcgg tttcaaaaac ttcgtccgaa ccaatcctaa gtcggaccgc 120
t 121

<210> 24095
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700908475H1

<400> 24095

cccaaattac cgggggtggca ttgttttctg ggcagatttg gttgggggcta atcatatatt 60
taccagccta aaaaaatggg cacaattata tggttaacttc tataaacct caaggtattt 120
ggaagaaaga gcactcaaag gaattcctct gagtgcacct gttcatcta ctccaaagtc 180
aatggcgcgt ctatgagaaa gccaatgtt cagcatgttg gatgttctac aataaaaaaa 240
tgtaacaa 248

<210> 24096
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700908477H1

<400> 24096

ttcaaattca aatggccctt tacattacac taataattgg cctcctagta aacaccctag 60
tactctataa atagcatttg catgcacctt agtcttcacc aaaatactcc tcttggcatc 120

ttgtgttggtg tccctctttt aagctatttc cttctcttaa cacaattggt tgtgcccaatt 180
gccatagtc acaaccaatt aacaaaggta tatatatcat catatcatca ccaaatgaaa 240
aatatt 246

<210> 24097
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700908479H1
<400> 24097

ctcgagccgc aagttttgga ttcgttcgac ttcgactcca aaagacgaag acgacgtcgt 60
cactctgggc aagtagtcac tattcactct ctattcgggc agaagcaatc ctaattcctt 120
aatggagagt tctgaagacg aaaatgatgg agtctctggg aatcatgcta ctaaggaact 180
gattcattta gcatctaag gggcaaaatt tatagatgaa gtactcaatg gtcaaaatga 240
atgct 245

<210> 24098
<211> 245
<212> DNA
<213> Glycine max
<223> Clone ID: 700908480H1
<400> 24098

tctcaatgat gatgcaactt ctcaatgcta cagcaaaggc atttattgca cactttcagc 60
ttgacactcg ctgatcatatc ttgcaagcaa gccccatcc aatagcaatg ccacctcaaa 120
tcaacctttt agcatctcca agtccttcac tatttatttt atttatgttc tctttgcttt 180
gattgccttc tgggggtgtt ctgtagtggt ggaaatataa aggtggagtg tggacttta 240
aaggg 245

<210> 24099
<211> 247
<212> DNA
<213> Glycine max
<223> Clone ID: 700908482H1

<400> 24099

ctcaaagctt aaaagacaca ctgacagaag caacctgtgc tcccggtgcc ttcaatcatt 60
gcatttgaac gatgatgggtg agctgaagtg gaacaacagg gttgcaggac atggacactg 120
gtatgggttgc cgcagctcgt tggattaaga agcactgcac cactatacta cttgaagatc 180
tttgtcgaca ccccgatttc cacgtcaagc tgcctccgta tcattggagt tagcagaatt 240
cgggaag 247

<210> 24100

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908485H1

<400> 24100

atccgattcg ggtcggggtt gtgttatcgg aaccttcacc ggaaaattct cagtcgacgt 60
agcgaaaatg gcggtatccc tagcgacgag gtcctgctgg cggcgatcgc caccgcttct 120
ctggcggcgc acttttctat gtcggcagtg gacgcgaaa aggaagtcgt ggtcgtgccg 180
gagcttccac cgttcgatta ctccccgcgc ccatatgcgg gccccaccgc tgaggagatt 240
ctggcgaacg 250

<210> 24101

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908445H1

<400> 24101

gttgatccg tattcacagg taattcttga catgcttttc agatttcgat tgctattgta 60
acatgatgac atttttcact ttggactgag ctcatcttac tggaagtttt tcttggtctc 120
cgttcatgct attcataaag atcattatct agaaaaagat ggcggctgag ctagtcaatg 180
gtgcaacaag cgagaagctg gctgaaactg attggacaaa aaatattgaa atttgtgagc 240
tagttgctca 250

<210> 24102
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908410H1

 <400> 24102

 gcttcttcaa ctggctccaa cactatgata tcgaagattg tacgcatggt tgaggatgct 60
 ccatcacgtg aagcacctgt acaaaggctt gcagattcaa tagcagggcc atttgatac 120
 agtgtaatga ctttgtcagc agcaacattt gcattttggt atttttagg atcacacata 180
 tttctgatg ttttgtcaa cgatattgct ggcccagaag gagatcctt gttgttgagt 240
 ttaaaactat ccgtagatgt 260

<210> 24103
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908412H1

 <400> 24103

 atttctacat ccctggctct gttccgtcga tgacgatggc gtttaggggt cgaaaccctg 60
 acctccgctt tctcattctt ctctctctct tgtccatcac ttccgccaag gtcttcttcg 120
 aggagcgctt cgatgacgga tggggaaatc gttgggttaa atcagattgg aaaaaagatg 180
 agaacctggc tggggagtgg aaccacacct ctggccaatg gaatggagac gctaacgaca 240
 aaggtattca aacc 254

<210> 24104
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700908413H1

 <400> 24104

 tgcatttgca gcacttgacg aagtggagag acaaatgaaa tagttcaaatt tttagctttg 60
 agaattttcc tagaatatta agcaggagag tttggtccaa tttttatttt gggttgcaatt 120
 tcctctcgtg aagttgttgt ttattttttc ttacaaattt tagtgagacc aatgcagtaa 180

caatagtctc tgttaagttc taactggtaa gggctcttgaa gttgatttcc taatttattt 240
 ggtaagggtga tgt 253

<210> 24105
 <211> 92
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908414H1
 <400> 24105

gctgattatg atgcttgcag catcaataaa gcagtatata ataataatgt aatagtgtta 60
 attgaaaagg gattgctctt ggcttcttgc ac 92

<210> 24106
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908416H1
 <400> 24106

tctgaaacta acaacaacaa taaaagacca tgctgggtgaa ggagtgcgag caccacaagg 60
 ggaagaagag gaagatcttc cggcaagtgt tctgggtgctt agtgggtgttc cttttcatcg 120
 tgctgggtcac aattcttttg atatgggcaa tcttagacc caccaaacc accttcacgc 180
 tccaagacgt caccgtctac gccttcaacg ccaccgtggc gaacttctc acttcgaatt 240
 tttcgggtcac gctc 254

<210> 24107
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908417H1
 <400> 24107

ctttctttca gcttcttgtt ctacaatgaa aagcctctgc cttgggccgt ttcttgctgc 60
 tagtgcccca gttggtagaa gagcctatgg aggcactta agcagaaagt gctttcaaaa 120
 gcaacttcac ttccactcac gttgtgttag tttctcttca ttcatatgtt ctgcaactat 180

002220" EFFE560

atcagtgatg ccagaattag aagagaagca agtgtttgat ggagagaagg ctaatttgct 240
agttaaagat ctcagaaaga gc 262

<210> 24108
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700908418H1

<400> 24108

tcccccccta gctacagagc agccaaaggg gaggaataat aataagccta tattctaagg 60
ccggaaaaat aaaaaaggaa taacaaaaat gtctggaaag gtaattatct cggctgtttc 120
tctcatcctg gtgggtggag tggccatagg tgtggtggtg gccgtcaaca agaagggcga 180
ggatcccaca cttcaatctc aacaaaaatc agtaggggtt atctgccaaa aactgatga 240
ccagaagctc tgccacgaaa c 261

<210> 24109
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700908419H1

<400> 24109

agaagaagaa gattgtgtct ccgattatta tttgaagatt tctgaaacac cagagtgttt 60
ctgatcatcg tcgtcgtga tctctgtttc ctccgttact gtttctgatt gcagaggcga 120
aaagggttttc cgcacaaaaa tcgaattttg tttgctccat catcaccatg ggtagaatca 180
cgaaactggg ttttcttctt ctaccagat aagtaaaagg gtttcttctt ttctcattta 240
ttccgacaag tgcacaaata aca 263

<210> 24110
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700908420H1

<400> 24110

agagtttgtg tcttattttt atcaatttga tccgaattac tagaattgca cccccattct 60
 tttgagtcca aattccatca acttttgctg gctagggtcg ctcgaaattc ttgaggcctt 120
 cttaaacacg ggattagttt tatatatagc aataactattt atttataacg tctattttact 180
 cattgttttg aaagagattt ttattcttcc actatgtttt tgggtgcccc agaaaaaaat 240
 tctgggtgct cctagtaaca cc 262

<210> 24111
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908421H1

<400> 24111

agaatagcta gtactagctc ttgacccttc ttcccacctt tttctggtcc ctctagaaa 60
 tggcttccaa ttccattctt cttctttgta tctttcttgt ggttgccaca aagggtttttt 120
 cctatgatga agatctcaag acagtgggtc ctgcacctgc tccaccagtg aaggcaccaa 180
 ctctgcctc tccagtgaia tcaccatctt accctccagg gtcagtgacc acaccaactg 240
 ttaaggtgcc cctcctcct cag 263

<210> 24112
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908422H1

<400> 24112

atagattatt atgtatcgat tgaatcaatg actattcatg attccataat tgaatcaatt 60
 acatactgga tccaagctaa aggaatgtta tggtaaaact tcgtttgaaa cgatgtggta 120
 aaaagcaacg tgcgacttga aagacatgat tagattagct gtggattctt acatccgcca 180
 ttttttctag tatatagaaa tgaacatgct cttgactcga catcgtttgt tctgttccac 240
 tagaacttat tgttttgggg 260

<210> 24113
 <211> 261

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700908423H1
 <400> 24113

ttctacaaca gaggtcagat tgtaataaca aagtacactg taaatagaca ctatcaatca 60
 atgaatgaag aaactggagg aatgaatgat gtcctttata gattatacag cataacggga 120
 gattctaagc acctagtgtt ggctcacctt ttgacaagc catgcttttt agggttgctt 180
 gcagtgcagg ctaatgacat agctgattta catgctaata cacatatccc aattgttggt 240
 ggatctcaaa tgcggtatga a 261

<210> 24114
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908425H1
 <400> 24114

cttaaatttc aggcataaac tgagagagag ataacatcgt tgcagtggcg cgcccaatgg 60
 ctctgggaat ctctaacata ctgcactgcc ccaaattgag tttctcccac aataattttc 120
 tccccaaagt tccaacctct atcagcctca gggttcccca gacagcagca tggagtgata 180
 gaaagattat ctgtgctgct gcactgcgg caggaagctc taatcccgat ggtgaattta 240
 atccttatga ggtgctagg 259

<210> 24115
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908427H1
 <400> 24115

caaaaaccta aactcactca gtcctacgat acgattctct tccgctccc ttcccttcaa 60
 ctccacggcg cagatccgag gagtttggga aaccctaatt cattcctctt tgcttcttct 120
 atctctattc ctctaacc agtgatggca gggttggctc cagaaggatc gcagtttgat 180
 gctcggcaat atgattctaa gatgaatgaa ttgctttccg ccgatggaca agaatttttc 240

acttcatatg acgaa

255

<210> 24116
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908430H1

<400> 24116

cttagctgaa ccctcacctc aatcttgctg gctagctagc tttattccaa ttcctacaga 60
 accaaattat tctgctagct agctagtacg tcaaataaaa taaaataatc aaatatggca 120
 ttcagcggga cccaacagaa atgcaaggct tgcgacaaaa ctgttcactt tgcgaaggt 180
 ttatctgccg atggagctgc ttatcacaag aactgcttca gatgcagcca ttgcaatggc 240
 cttcttgcca 250

<210> 24117
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908431H1

<400> 24117

caccgattca ttaacttcac acacagacac gggtttttcca ccacaccata gcatacaagt 60
 actagtagat taaacgcaa agaaataaat tactcacttt cacgtaaacc ataacgtgct 120
 tccaccgcaa ccaaccacta tgggtgccgt taggtccata acggtgttgc tactagtgtt 180
 attcatggcc atgagctccg gcgtgcgctc gtgtccgccg tcggacaggg cggcgctgct 240
 ggcattcaag gc 252

<210> 24118
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908433H1

<400> 24118

ctcattcttt cgggtgattt ctttcttggg gcggtagttg catgtacact gacaaaactt 60

gtcttaaggt tggaagaggt tcagacttca aaagccgaag ttaacaaggc aactacacag 120
gccttggtga tcattgtctc catgctgcag ctgggtcaat cttcaattct tccacatcca 180
attgataatg attcttttga caggattgtc ctctgcatta gattgttgtg caataccggt 240
gatgagataa gaaaaata 258

<210> 24119
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700908436H1

<400> 24119
aatggtttct tctaattgct actatcttgc attggtatgc tgctgtgttc tgctgctgct 60
gaaccccacc gtggggggagc aggacgagca gaacttggtg ctccagtacc acaaaggcgc 120
gctcctcaag gggaggatca ccgttaacct gttatggtac ggcagcatca cccaatcca 180
acgctccaca atcgttgact tcataaagtc gttaagctcc tccccggggg cccaacttcc 240
ctcggtggca tgggtggtgga 260

<210> 24120
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700908437H1

<400> 24120
agacaattca acttaagaga tcaatatggc caccaccact acccagcctc cctctaatat 60
ctgttttttc cttctgttgt tgcttctagc acactttcat ttgggcataa gccaaactga 120
gctgaattac tactctaaaa gctgccccaa agctgaagag atcatcaagg aacaagtcac 180
acaactatat aacaagcatg gaaacactgc cgtttcgtgg gtcagaaatc tcttccacga 240
ttgcgtggtt aagtcatgc 259

<210> 24121
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700908439H1

<400> 24121

gagagtagtg tgtggttgaa agttaagaag tagcaaagat gtttccattc gggcacaagg 60
gtcaaaagat aaaggggact atggtgggta tgcagaagaa tgtgttgat atcaacagca 120
tcaccagtgt tgacgggatc gtcggcaccg gcttagactt cttaggcagt gcaactgata 180
cagttacttt tttagcctcc tccatctcca tccaacttat tagtgctacc aaggctgatg 240
gtgggaaagg aaaagttg 258

<210> 24122

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700908440H1

<400> 24122

gttggcaaca gattgaaaat aaagcaaagg atgctactga atgtttggta caagaaggag 60
cacagtttgc tactagggtg actggtatta aagagaatac taaatttcaa aagaaattac 120
agaacaatga gcagatgtca ggtctgaagc atctagtaca tggagcaaag cagcatcaca 180
atgtgaaaaa tgtatatgta tggcatgcac tagctgggta ttgggggtgga gtgaagccag 240
cagcaaccgg catggaac 258

<210> 24123

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700908441H1

<400> 24123

gaggagtagt actagtata aggtgatcat aatagagcat aatataagag agtgaaaact 60
catggaggtt ggctcaaca agaaggagaa catgggggtt gaggaaactg agctaaggct 120
tggactgcct ggaaacgtag gaggcactgg cactgaagaa gtgctcatca ggaagagagg 180
tttctctgag actgaaactg aaactgagga ggatgagtct gctaccactg tggatttgat 240
gcttaatctt tcttcta 257

<210> 24124
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908442H1

<400> 24124

gtaagcaact gcttaattta ttgatcaaac gtacagctcc taattttcaa gtatttttct 60
 ttctcttctt gaagaattaa gaagaaagtt tttgtagtta atttttctcc aaaggaagga 120
 aaaggaagca attatcaagg aggggactac ggaaatagaa atggaaggaa ctcgtagcaa 180
 agaggggaacc ctaccaccgg gatttcgatt tcacctact gatgaagaac ttgtcacttg 240
 ctatctcgta aataag 256

<210> 24125
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908443H1

<400> 24125

attcttcccc ctccaccac ccagcatatc tctctattcc tatttattag caccctcac 60
 attaccttgt gtcaccaact actttgactc ctttaccata ccattacaat aattatcaaa 120
 cctaaccagt aaaaatgggtg accgtggagg aaatccgcaa cgctcagcgt tcccatggac 180
 ccgccaccat cttggccttc ggcaccgcca cgccgtccaa ctgctgtctcc caagccgatt 240
 accctgacta ctac 254

<210> 24126
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908408H1

<400> 24126

aattgatcgg tgtgtgcatt aatttgtaca attgtgcaac agcctaacac atccccagtg 60
 gctcatacat ttcttagatt ttcagcttgc tattcccagc atcatgtgat taaacaggct 120

ctatgggtttt ttaatatattg gatccaccat tectctttttt ggtgtcatca ttatcatcat 180
 tgtaatctaa ccaatactat aatgctttgc ttgttttgc taccctctct cctctcctgt 240
 catagcctct ccatcaaag atca 264

<210> 24127
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908367H1
 <400> 24127

aaatccatct gcaattttta tggtgtctga attctgaaac acaattttta ttatgccatt 60
 cagattgcgt tagctaataga ttcttttgtt ctgtttcatt gtttgcttgt tccttaaaga 120
 tctcaaaggg tccacaatcg cacaatttgt gaactgctca cgggataaaa tggaatgccc 180
 ttcaagttgg atatccacaa acacatagat cttgtattct ttgtagtata tttaatagga 240
 cattgagtt 249

<210> 24128
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908369H1
 <400> 24128

ctcttttgcgt gcatcagagg agttgtaaata taagagcatg gctgcacaag ctcttgtatc 60
 atcatcttct cttaccttct cagcggaggc tgcaagacaa agtcttggac caagatcact 120
 ccaatctcca ttggcttct ccagaaaagc ctcccttctt gttaaggcag ctgctacccc 180
 ccctgtcaag caaggatcag acagacctt gtggtttgca tcaaagcaaa gtctttctta 240
 cttggatggc 250

<210> 24129
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700908370H1

<400> 24129

tgcacaatgg tgcaggtttc cgcaaggggt tccttgggtc cgttatcagg ggacatacaa 60
 agatcttaat ataagcttga tttggccggg aaaagatcca actttggggg ttgatagtgt 120
 aggcaagata tcatctgctc ttgtaacgta tgctgctatt caagcattac aaccagactt 180
 gatcatcaat gcaggcactg ctggtggctt caaggccaaa ggagctagta ttggtgatgt 240
 tttcattgta 250

<210> 24130

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700908371H1

<400> 24130

tggaaatatt tgggtcagag gcttctggga aaacaactct tgctttgcat atgattgctg 60
 aagcacaaaa gctaggaggc tactgtgctt ttgttgatgc tgagcatgca cttgataaga 120
 cacttgcaga gtcaattggg ttagatacta agaacttgct tctctcacia cccgattgtg 180
 gtgaacaagc acttagcctt gtggatacct taatccggag tggttcagtt gatgcaattg 240
 ttgttgata 249

<210> 24131

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700908372H1

<400> 24131

tatgtatgat attgtttaga atacttgggtg taaagattct ttacaaatgt ctttcaaacg 60
 gaaagattat gtcaataagt ttaatgtaac aactattaca tgaaaactgg gaccctaaat 120
 aaaatattct acccattgaa tttgtttaag tggtatgtat gtgatgcatt tttttttaca 180
 catgtagatt ttgatactg gatcgcttga gggcttacat gcgtcatttc aagtgcgtaa 240
 tgttcaagtt ta 252

<210> 24132
 <211> 191
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908375H1

<400> 24132

ttctttcttct tcttcttctt cactctcttt ctctatctct gcgtggcagc atatatcaaa 60
 tatcagttgc agtattaaag aggcttatcc gtcagaatgg tttccgcgga gaaagattcc 120
 aatgaaactc atcgaaccat catcggaag tccatgcgaa cggtagcgtc caaaatattc 180
 cacacaacat a 191

<210> 24133
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908377H1

<400> 24133

aaaggattac gatgataagt tgtcagagaa agaaactttt attgaacagc ttaatgtgga 60
 gcttgaagct tcaaagatgg ctgaatctta ttcacgtagc ctgctagagg agtggcataa 120
 gaaggttgag gaactagaaa tgaggattga agaagcaaac aagctggaga gatctgcac 180
 agagtctttg gaatctgtaa tgaaacagct tgaaggaaac aatgatttgt tgcaagaagc 240
 agaatctgaa gttg 254

<210> 24134
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908378H1

<400> 24134

taaaatggca cttccatacc cattttcttc tcntctcttt ctctttctaa tactcttattc 60
 ttctctccca aacatttccc aagccacctc tcgtgcccc aatcgcatgt tagccttggt 120
 tcaaaaccaa ccgcttgtag taaaatacca caagggtcct cttctaaagg gcaacatcac 180

cctccatttg ctatggtacg gtacatttac cccacgcaa cgatcatctg tcatogattt 240

ccttgaatcc ctaac 255

<210> 24135
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908379H1

<400> 24135

cacgtctctc tctcacatca tcatggcctc cccaacacta ataacccccca aatcagtga 60

atcactcaca cccatcaagc ccaaaccac caccaccatc gccgccactc tcacaccacc 120

cacaacaacc tccaccgccg ccgccacca ccctcgccgc cgcgaattct tgtccatcat 180

caccgccacc acatggctgg tccctctgag cccggcactg gcttctcgg acgaggaata 240

catgaaggag accgagga 258

<210> 24136
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908380H1

<400> 24136

gataaggatga gcattcacca ttttcttggtg gtttggtttc ctagagacac taagtactcc 60

catggaacaa aacaacaaaa gccttggttc ttctaaattc ttatgtttat gtttggtgat 120

caccttgatc agcattattg ttgtccaca agcggtatgg gtgtgagcat tnntcgtgtt 180

tggcgattcg cttgtagaca acgggaacaa caatttcttg gccaccacgg cgcgtgccga 240

ttcatatcct tat 253

<210> 24137
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908383H1

<400> 24137

ggttcttgat ttccttcttt tctcttggtt tgtgtgtcg ttgagaagtc gcacataatc 60
 ttcttcttcc tcgattttcc tctccttcga cgatttttag ggtttcgctt cgttcaccaa 120
 cgcgcgtggt ttctcttctc ttcacgattt tggggtcgaa atttgagatt tagtttgccg 180
 gcatgtccat gagtgcgcgc aagactattg acctagatca aggatgggat tttatgca 238

<210> 24138
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908384H1

<400> 24138
 aacttaagag atcaatatgg ccaccaccac taccagcct ccctctaata tctgtttttt 60
 ccttctgttg ttgcttctag cacactttca tttgggcata agccaacttg agctgaatta 120
 ctactctaaa agctgccccaa aagctgaaga gatcatcaag gaacaagtca cacaactata 180
 taacaagcat ggaaacactg ccgtttcgtg ggtcagaaat ctcttcacg attgcgtggt 240
 taagtcatgc 250

<210> 24139
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908385H1

<400> 24139
 cgtcacagtg atgaaaacat agcccctctg acgcacagaa tgacgaagac aaaaagcgga 60
 ttccttttct atataatata ataatagaca atgagcaccg tgcaatcagc aacaaaaatg 120
 actcaagccc agattcaacc agttaaactt ggaacccaag gctttgaggt ttcaaaattg 180
 ggattcggat gtatgggcct tactggagcg tacaatgacc ctctccaaga acaggatggc 240
 atatctgt 248

<210> 24140
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700908386H1

<400> 24140

catggctctt ctaggcttaa tgagttttgc tgccttgacc cttttcttgg tctaacaac 60
 tgtgcctcgt caagcacacg cttcaagccg tggcaactta ggcagaaaca tcaacccttc 120
 agtgtatggc atatgtgcct cttctgtcat tgtgcatgga tacaagtgtc aagaacacga 180
 ggttacaact gatgatgggt acattctgag cctgcaaagg atcccagaag gtcgaggtta 240
 aagcagtg 248

<210> 24141

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700908387H1

<400> 24141

ctttctctct agacgttact ttctctattc tcaaagtcac acacagcact ttctctctca 60
 tcttaactct ctcccatgtt tcttcagttt catcgatcga gagtgaagcc ttaactctgc 120
 ttattccgtg tcccagatct cgttggtgct tccgattctt tgattcttcg cttctttctt 180
 cttctcactt cacattccga ttctgcgcag attcttttgg tttctaaaca tcatgatcgt 240
 cactgcctc 249

<210> 24142

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908388H1

<400> 24142

agaagcttgt ctctgccacc aaggaagggc tcaagcttga cgagagtga gatgagaaga 60
 agaagcaaga agagttgatg gagaagtttg acaacctctg caaggtgatc aaggatgttt 120
 tgggtgacaa gggtgagaag gttgtggtct ctgaccgcgt tgtagattca ccatgctgtc 180
 ttgtgactgg cgaatacggt tggaccgcaa acatggaaag gataatgaag gcccaagctc 240
 taagggacaa 250